

WO 01/07471

PCT/US00/19948

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
 HILLMAN, Jennifer L.
 LAL, Preeti
 TANG, Y. Tom
 YUE, Henry
 AU-YOUNG, Janice
 BANDMAN, Olga
 AZIMZAI, Yalda
 YANG, Junming
 LU, Dyung Aina M.
 BAUGHN, Mariah R.
 PATTERSON, Chandra
 SHAH, Purvi

<120> CELL CYCLE AND PROLIFERATION PROTEINS

<130> PF-0722 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/145,075; 60/153,129; 60/164,647

<151> 1999-07-21; 1999-09-08; 1999-11-10

<160> 108

<170> PERL Program

<210> 1

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116462CD1

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Leu	Thr	Arg	Gly	Pro	Ser	Gly	Leu	Gly	Phe	Asn	Ile	Val	Gly	Gly
				20					25					30
Thr	Asp	Gln	Gln	Tyr	Val	Ser	Asn	Asp	Ser	Gly	Ile	Tyr	Val	Ser
				35					40					45
Arg	Ile	Lys	Glu	Asn	Gly	Ala	Ala	Ala	Leu	Asp	Gly	Arg	Leu	Gln
				50					55					60
Glu	Gly	Asp	Lys	Ile	Leu	Ser	Val	Asn	Gly	Gln	Asp	Leu	Lys	Asn
				65					70					75
Leu	Leu	His	Gln	Asp	Ala	Val	Asp	Leu	Phe	Arg	Asn	Ala	Gly	Tyr
				80					85					90
Ala	Val	Ser	Leu	Arg	Val	Gln	His	Arg	Leu	Gln	Val	Gln	Asn	Gly
				95					100					105
Pro	Ile	Gly	His	Arg	Gly	Glu	Gly	Asp	Pro	Ser	Gly	Ile	Pro	Ile
				110					115					120
Phe	Met	Val	Leu	Val	Pro	Val	Phe	Ala	Leu	Thr	Met	Val	Ala	Ala
				125					130					135
Trp	Ala	Phe	Met	Arg	Tyr	Arg	Gln	Gln	Leu					
				140					145					

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<213> Homo sapiens

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<223> Incyte ID No: 1210462CD1

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Met Leu Thr Gln Leu Lys Ala Lys Ser Glu Gly Lys Leu Ala Lys
 1          5          10          15
Gln Ile Cys Lys Val Val Leu Asp His Phe Glu Lys Gln Tyr Ser
 20          25          30
Lys Glu Leu Gly Asp Ala Trp Asn Thr Val Arg Glu Ile Leu Thr
 35          40          45
Ser Pro Ser Cys Trp Gln Tyr Ala Val Leu Leu Asn Arg Phe Asn
 50          55          60
Tyr Pro Phe Glu Leu Glu Lys Asp Leu His Leu Lys Gly Tyr His
 65          70          75
Thr Leu Ser Gln Gly Ser Leu Pro Asn Tyr Pro Lys Ser Val Lys
 80          85          90
Cys Tyr Leu Ser Arg Thr Pro Gly Arg Ile Pro Ser Glu Arg His
 95          100         105
Gln Ile Gly Asn Leu Lys Lys Tyr Tyr Leu Leu Asn Ala Ala Ser
 110         115         120
Leu Leu Pro Val Leu Ala Leu Glu Leu Arg Asp Gly Glu Lys Val
 125         130         135
Leu Asp Leu Cys Ala Ala Pro Gly Gly Lys Ser Ile Ala Leu Leu
 140         145         150
Gln Cys Ala Cys Pro Gly Tyr Leu His Cys Asn Glu Tyr Asp Ser
 155         160         165
Leu Arg Leu Arg Trp Leu Arg Gln Thr Leu Glu Ser Phe Ile Pro
 170         175         180
Gln Pro Leu Ile Asn Val Ile Lys Val Ser Glu Leu Asp Gly Arg
 185         190         195
Lys Met Gly Asp Ala Gln Pro Glu Met Phe Asp Lys Val Leu Val
 200         205         210
Asp Ala Pro Cys Ser Asn Asp Arg Ser Trp Leu Phe Ser Ser Asp
 215         220         225
Ser Gln Lys Ala Ser Cys Arg Ile Ser Gln Arg Arg Asn Leu Pro
 230         235         240
Leu Leu Gln Ile Glu Leu Leu Arg Ser Ala Ile Lys Ala Leu Arg
 245         250         255
Pro Gly Gly Ile Leu Val Tyr Ser Thr Cys Thr Leu Ser Lys Ala
 260         265         270
Glu Asn Gln Asp Val Ile Ser Glu Ile Leu Asn Ser His Gly Asn
 275         280         285
Ile Met Pro Met Asp Ile Lys Gly Ile Ala Arg Thr Cys Ser His
 290         295         300
Asp Phe Thr Phe Ala Pro Thr Gly Gln Glu Cys Gly Leu Leu Val
 305         310         315
Ile Pro Asp Lys Gly Lys Ala Trp Gly Pro Met Tyr Val Ala Lys
 320         325         330
Leu Lys Lys Ser Trp Ser Thr Gly Lys Trp
 335         340

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<223> Incyte ID No: 1305252CD1

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Met	Leu	Tyr	Leu	Glu	Asp	Tyr	Leu	Glu	Met	Ile	Glu	Gln	Leu	Pro
1				5					10					15
Met	Asp	Leu	Arg	Asp	Arg	Phe	Thr	Glu	Met	Arg	Glu	Met	Asp	Leu
				20					25					30
Gln	Val	Gln	Asn	Ala	Met	Asp	Gln	Leu	Glu	Gln	Arg	Val	Ser	Glu
				35					40					45
Phe	Phe	Met	Asn	Ala	Lys	Lys	Asn	Lys	Pro	Glu	Trp	Arg	Glu	Glu
				50					55					60
Gln	Met	Ala	Ser	Ile	Lys	Lys	Asp	Tyr	Tyr	Lys	Ala	Leu	Glu	Asp
				65					70					75
Ala	Asp	Glu	Lys	Val	Gln	Leu	Ala	Asn	Gln	Ile	Tyr	Asp	Leu	Val
				80					85					90
Asp	Arg	His	Leu	Arg	Lys	Leu	Asp	Gln	Glu	Leu	Ala	Lys	Phe	Lys
				95					100					105
Met	Glu	Leu	Glu	Ala	Asp	Asn	Ala	Gly	Ile	Thr	Glu	Ile	Leu	Glu
				110					115					120
Arg	Arg	Ser	Leu	Glu	Leu	Asp	Thr	Pro	Ser	Gln	Pro	Val	Asn	Asn
				125					130					135
His	His	Ala	His	Ser	His	Thr	Pro	Val	Glu	Lys	Arg	Lys	Tyr	Asn
				140					145					150
Pro	Thr	Ser	His	His	Thr	Thr	Thr	Asp	His	Ile	Pro	Glu	Lys	Lys
				155					160					165
Phe	Lys	Ser	Glu	Ala	Leu	Leu	Ser	Thr	Leu	Thr	Ser	Asp	Ala	Ser
				170					175					180
Lys	Glu	Asn	Thr	Leu	Gly	Cys	Arg	Asn	Asn	Asn	Ser	Thr	Ala	Ser
				185					190					195
Ser	Asn	Asn	Ala	Tyr	Asn	Val	Asn	Ser	Ser	Gln	Pro	Leu	Gly	Ser
				200					205					210
Tyr	Asn	Ile	Gly	Ser	Leu	Ser	Ser	Gly	Thr	Gly	Ala	Gly	Ala	Ile
				215					220					225
Thr	Met	Ala	Ala	Ala	Gln	Ala	Val	Gln	Ala	Thr	Ala	Gln	Met	Lys
				230					235					240
Glu	Gly	Arg	Arg	Thr	Ser	Ser	Leu	Lys	Ala	Ser	Tyr	Glu	Ala	Phe
				245					250					255
Lys	Asn	Asn	Asp	Phe	Gln	Leu	Gly	Lys	Glu	Phe	Ser	Met	Ala	Arg
				260					265					270
Glu	Thr	Val	Gly	Tyr	Ser	Ser	Ser	Ser	Ala	Leu	Met	Thr	Thr	Leu
				275					280					285
Thr	Gln	Asn	Ala	Ser	Ser	Ser	Ala	Ala	Asp	Ser	Arg	Ser	Gly	Arg
				290					295					300
Lys	Ser	Lys	Asn	Asn	Asn	Lys	Ser	Ser	Ser	Gln	Gln	Ser	Ser	Ser
				305					310					315
Ser	Ser	Ser	Ser	Ser	Ser	Leu	Ser	Ser	Cys	Ser	Ser	Ser	Ser	Thr
				320					325					330
Val	Val	Gln	Glu	Ile	Ser	Gln	Gln	Thr	Thr	Val	Val	Pro	Glu	Ser
				335					340					345
Asp	Ser	Asn	Ser	Gln	Val	Asp	Trp	Thr	Tyr	Asp	Pro	Asn	Glu	Pro
				350					355					360
Arg	Tyr	Cys	Ile	Cys	Asn	Gln	Val	Ser	Tyr	Gly	Glu	Met	Val	Gly
				365					370					375
Cys	Asp	Asn	Gln	Asp	Cys	Pro	Ile	Glu	Trp	Phe	His	Tyr	Gly	Cys
				380					385					390
Val	Gly	Leu	Thr	Glu	Ala	Pro	Lys	Gly	Lys	Trp	Tyr	Cys	Pro	Gln
				395					400					405
Cys	Thr	Ala	Ala	Met	Lys	Arg	Arg	Gly	Ser	Arg	His	Lys		
				410					415					

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<213> Homo sapiens

<220>

<221> misc_feature

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Asn	Gly	Ser	Phe	Gly	Pro	Ser	Glu	Leu	Ala	Leu	Ala	Thr	Arg	Phe	
				80					85					90	
Arg	Gln	Lys	Leu	Arg	Gln	Gly	Ala	Met	Thr	Ala	Leu	Ser	Phe	Gly	
				95					100					105	
Glu	Val	Asp	Phe	Thr	Phe	Glu	Ala	Ala	Val	Leu	Ala	Gly	Leu	Leu	
				110					115					120	
Thr	Glu	Cys	Arg	Asp	Val	Leu	Leu	Glu	Leu	Val	Glu	His	His	Leu	
				125					130					135	
Thr	Pro	Lys	Ser	His	Gly	Arg	Ile	Arg	His	Val	Phe	Asp	His	Phe	
				140					145					150	
Ser	Asp	Pro	Gly	Leu	Leu	Thr	Ala	Leu	Tyr	Gly	Pro	Asp	Phe	Thr	
				155					160					165	
Gln	His	Leu	Gly	Lys	Ile	Cys	Asp	Gly	Leu	Arg	Lys	Leu	Leu	Asp	
				170					175					180	
Glu	Gly	Lys	Leu												

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<223> Incyte ID No: 1577739CD1

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Leu	Gln	Asn	Lys	Glu	Leu	Phe	Ser	Ser	Leu	Lys	Lys	Gly	Lys	Ile	
				20					25					30	
Cys	Cys	Cys	Cys	Arg	Ala	Lys	Phe	Pro	Leu	Phe	Ser	Trp	Pro	Pro	
				35					40					45	
Ser	Cys	Leu	Phe	Cys	Lys	Arg	Ala	Val	Cys	Thr	Ser	Cys	Ser	Ile	
				50					55					60	
Lys	Met	Lys	Met	Pro	Ser	Lys	Lys	Phe	Gly	His	Ile	Pro	Val	Tyr	
				65					70					75	
Thr	Leu	Gly	Phe	Glu	Ser	Pro	Gln	Arg	Val	Ser	Ala	Ala	Lys	Thr	
				80					85					90	
Ala	Pro	Ile	Gln	Arg	Arg	Asp	Ile	Phe	Gln	Ser	Leu	Gln	Gly	Pro	
				95					100					105	
Gln	Trp	Gln	Ser	Val	Glu	Glu	Ala	Phe	Pro	His	Ile	Tyr	Ser	His	
				110					115					120	
Gly	Cys	Val	Leu	Lys	Asp	Val	Cys	Ser	Glu	Cys	Thr	Ser	Phe	Val	
				125					130					135	
Ala	Asp	Val	Val	Arg	Ser	Ser	Arg	Lys	Ser	Val	Asp	Val	Leu	Asn	
				140					145					150	
Thr	Thr	Pro	Arg	Arg	Ser	Arg	Gln	Thr	Gln	Ser	Leu	Tyr	Ile	Pro	
				155					160					165	
Asn	Thr	Arg	Thr	Leu	Asp	Phe	Lys								
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<211> 591

<212> PRT

<213> Homo sapiens

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Met	Val	Pro	Val	Ala	Val	Thr	Ala	Ala	Val	Ala	Pro	Val	Leu	Ser	
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Ile	Asn	Ser	Asp	Phe	Ser	Asp	Leu	Arg	Glu	Ile	Lys	Lys	Gln	Leu	

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	20		25		30
Leu Leu Ile Ala Gly	Leu Thr Arg Glu	Arg Gly Leu Leu His	Ser		
35	40		45		
Ser Lys Trp Ser Ala	Glu Leu Ala Phe Ser	Leu Pro Ala Leu Pro			
50	55		60		
Leu Ala Glu Leu Gln	Pro Pro Pro Pro	Ile Thr Glu Glu Asp	Ala		
65	70		75		
Gln Asp Met Asp Ala	Tyr Thr Leu Ala Lys	Ala Tyr Phe Asp	Val		
80	85		90		
Lys Glu Tyr Asp Arg	Ala Ala His Phe Leu	His Gly Cys Asn	Ser		
95	100		105		
Lys Lys Ala Tyr Phe	Leu Tyr Met Tyr Ser	Arg Tyr Leu Ser	Gly		
110	115		120		
Glu Lys Lys Lys Asp	Asp Glu Thr Val Asp	Ser Leu Gly Pro	Leu		
125	130		135		
Glu Lys Gly Gln Val	Lys Asn Glu Ala Leu	Arg Glu Leu Arg	Val		
140	145		150		
Glu Leu Ser Lys Lys	His Gln Ala Arg Glu	Leu Asp Gly Phe	Gly		
155	160		165		
Leu Tyr Leu Tyr Gly	Val Val Leu Arg Lys	Leu Asp Leu Val	Lys		
170	175		180		
Glu Ala Ile Asp Val	Phe Val Glu Ala Thr	His Val Leu Pro	Leu		
185	190		195		
His Trp Gly Ala Trp	Leu Glu Leu Cys Asn	Leu Ile Thr Asp	Lys		
200	205		210		
Glu Met Leu Lys Phe	Leu Ser Leu Pro Asp	Thr Trp Met Lys	Glu		
215	220		225		
Phe Phe Leu Ala His	Ile Tyr Thr Glu Leu	Gln Leu Ile Glu	Glu		
230	235		240		
Ala Leu Gln Lys Tyr	Gln Asn Leu Ile Asp	Val Gly Phe Ser	Lys		
245	250		255		
Ser Ser Tyr Ile Val	Ser Gln Ile Ala Val	Ala Tyr His Asn	Ile		
260	265		270		
Arg Asp Ile Asp Lys	Ala Leu Ser Ile Phe	Asn Glu Leu Arg	Lys		
275	280		285		
Gln Asp Pro Tyr Arg	Ile Glu Asn Met Asp	Thr Phe Ser Asn	Leu		
290	295		300		
Leu Tyr Val Arg Ser	Met Lys Ser Glu Leu	Ser Tyr Leu Ala	His		
305	310		315		
Asn Leu Cys Glu Ile	Asp Lys Tyr Arg Val	Glu Thr Cys Cys	Val		
320	325		330		
Ile Gly Asn Tyr Tyr	Ser Leu Arg Ser Gln	His Glu Lys Ala	Ala		
335	340		345		
Leu Tyr Phe Gln Arg	Ala Leu Lys Leu Asn	Pro Arg Tyr Leu	Gly		
350	355		360		
Ala Trp Thr Leu Met	Gly His Glu Tyr Met	Glu Met Lys Asn	Thr		
365	370		375		
Ser Ala Ala Ile Gln	Ala Tyr Arg His Ala	Ile Glu Val Asn	Lys		
380	385		390		
Arg Asp Tyr Arg Ala	Trp Tyr Gly Leu Gly	Gln Thr Tyr Glu	Ile		
395	400		405		
Leu Lys Met Pro Phe	Tyr Cys Leu Tyr Tyr	Cys Arg Arg Ala	His		
410	415		420		
Gln Leu Arg Pro Asn	Asp Ser Arg Met Leu	Val Ala Leu Gly	Glu		
425	430		435		
Cys Tyr Glu Lys Leu	Asn Gln Leu Val Glu	Ala Lys Lys Cys	Tyr		
440	445		450		
Trp Arg Ala Tyr Ala	Val Gly Asp Val Glu	Lys Met Ala Leu	Val		
455	460		465		
Lys Leu Ala Lys Leu	His Glu Gln Leu Thr	Glu Ser Glu Gln	Ala		
470	475		480		
Ala Gln Cys Tyr Ile	Lys Tyr Ile Gln Asp	Ile Tyr Ser Cys	Gly		
485	490		495		

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Glu	Ile	Val	Glu	His	Leu	Glu	Glu	Ser	Thr	Ala	Phe	Arg	Tyr	Leu
				500					505					510
Ala	Gln	Tyr	Tyr	Phe	Lys	Cys	Lys	Leu	Trp	Asp	Glu	Ala	Ser	Thr
				515					520					525
Cys	Ala	Gln	Lys	Cys	Cys	Ala	Phe	Asn	Asp	Thr	Arg	Glu	Glu	Gly
				530					535					540
Lys	Ala	Leu	Leu	Arg	Gln	Ile	Leu	Gln	Leu	Arg	Asn	Gln	Gly	Glu
				545					550					555
Thr	Pro	Thr	Thr	Glu	Val	Pro	Ala	Pro	Phe	Phe	Leu	Pro	Ala	Ser
				560					565					570
Leu	Ser	Ala	Asn	Asn	Thr	Pro	Thr	Arg	Arg	Val	Ser	Pro	Leu	Asn
				575					580					585
Leu	Ser	Ser	Val	Thr	Pro									
				590										

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<220>
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 <223> Incyte ID No: 1887228CD1

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Gly	Thr	Val	Phe	Thr	Glu	Leu	Asn	Asp	Glu	Lys	Val	Leu	Gln	Glu
				20					25					30
Leu	Asp	Met	Ser	Asp	Phe	Glu	Glu	Gln	Phe	Lys	Thr	Lys	Ser	Gln
				35					40					45
Gly	Pro	Ser	Leu	Asp	Leu	Ser	Ala	Leu	Lys	Ser	Lys	Ala	Ala	Gln
				50					55					60
Lys	Ala	Pro	Ser	Lys	Ala	Thr	Leu	Ile	Glu	Ala	Asn	Arg	Ala	Lys
				65					70					75
Asn	Leu	Ala	Ile	Thr	Leu	Arg	Lys	Gly	Asn	Leu	Gly	Ala	Glu	Arg
				80					85					90
Ile	Cys	Gln	Ala	Ile	Glu	Ala	Tyr	Asp	Leu	Gln	Ala	Leu	Gly	Leu
				95					100					105
Asp	Phe	Leu	Glu	Leu	Leu	Met	Arg	Phe	Leu	Pro	Thr	Glu	Tyr	Glu
				110					115					120
Arg	Ser	Leu	Ile	Thr	Arg	Phe	Glu	Arg	Glu	Gln	Arg	Pro	Met	Glu
				125					130					135
Glu	Leu	Ser	Glu	Glu	Asp	Arg	Phe	Met	Leu	Cys	Phe	Ser	Arg	Ile
				140					145					150
Pro	Arg	Leu	Pro	Glu	Arg	Met	Thr	Thr	Leu	Thr	Phe	Leu	Gly	Asn
				155					160					165
Phe	Pro	Asp	Thr	Ala	Gln	Leu	Leu	Met	Pro	Gln	Leu	Asn	Ala	Ile
				170					175					180
Ile	Ala	Ala	Ser	Met	Ser	Ile	Lys	Ser	Ser	Asp	Lys	Leu	Arg	Gln
				185					190					195
Ile	Leu	Glu	Ile	Val	Leu	Ala	Phe	Gly	Asn	Tyr	Met	Asn	Ser	Ser
				200					205					210
Lys	Arg	Gly	Ala	Ala	Tyr	Gly	Phe	Arg	Leu	Gln	Ser	Leu	Asp	Ala
				215					220					225
Leu	Leu	Glu	Met	Lys	Ser	Thr	Asp	Arg	Lys	Gln	Thr	Leu	Leu	His
				230					235					240
Tyr	Leu	Val	Lys	Val	Ile	Ala	Glu	Lys	Tyr	Pro	Gln	Leu	Thr	Gly
				245					250					255
Phe	His	Ser	Asp	Leu	His	Phe	Leu	Asp	Lys	Ala	Gly	Ser	Val	Ser
				260					265					270
Leu	Asp	Ser	Val	Leu	Ala	Asp	Val	Arg	Ser	Leu	Gln	Arg	Gly	Leu
				275					280					285
Glu	Leu	Thr	Gln	Arg	Glu	Phe	Val	Arg	Gln	Asp	Asp	Cys	Met	Val

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	290		295		300
Leu Lys Glu Phe	Leu Arg Ala Asn Ser	Pro Thr Met Asp Lys	Leu		
	305		310		315
Leu Ala Asp Ser	Lys Thr Ala Gln Glu	Ala Phe Glu Ser Val	Val		
	320		325		330
Glu Tyr Phe Gly	Glu Asn Pro Lys Thr	Thr Ser Pro Gly Leu	Phe		
	335		340		345
Phe Ser Leu Phe	Ser Arg Phe Ile Lys	Ala Tyr Lys Lys Ala	Glu		
	350		355		360
Gln Glu Val Glu	Gln Trp Lys Lys Glu	Ala Ala Ala Gln Glu	Ala		
	365		370		375
Gly Ala Asp Thr	Pro Gly Lys Gly Glu	Pro Pro Ala Pro Lys	Ser		
	380		385		390
Pro Pro Lys Ala	Arg Arg Pro Gln Met	Asp Leu Ile Ser Glu	Leu		
	395		400		405
Lys Arg Arg Gln	Gln Lys Glu Pro Leu	Ile Tyr Glu Ser Asp	Arg		
	410		415		420
Asp Gly Ala Ile	Glu Asp Ile Ile Thr	Asp Leu Arg Asn Gln	Pro		
	425		430		435
Tyr Ile Arg Ala	Asp Thr Gly Arg Arg	Ser Ala Arg Arg Arg	Pro		
	440		445		450
Pro Gly Pro Pro	Leu Gln Val Thr Ser	Asp Leu Ser Leu			
	455		460		

<210> 9

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CD1

<400> 9

Met Ala Asp His	Met Met Ala Met Asn	His Gly Arg Phe Pro	Asp
1	5	10	15
Gly Thr Asn Gly	Leu His His His Pro	Ala His Arg Met Gly	Met
	20	25	30
Gly Gln Phe Pro	Ser Pro His His His	Gln Gln Gln Gln Pro	Gln
	35	40	45
His Ala Phe Asn	Ala Leu Met Gly Glu	His Ile His Tyr Gly	Ala
	50	55	60
Gly Asn Met Asn	Ala Thr Ser Gly Ile	Arg His Ala Met Gly	Pro
	65	70	75
Gly Thr Val Asn	Gly Gly His Pro Pro	Ser Ala Leu Ala Pro	Ala
	80	85	90
Ala Arg Phe Asn	Asn Ser Gln Phe Met	Gly Pro Pro Val Ala	Ser
	95	100	105
Gln Gly Gly Ser	Leu Pro Ala Ser Met	Gln Leu Gln Lys Leu	Asn
	110	115	120
Asn Gln Tyr Phe	Asn His His Pro Tyr	Pro His Asn His Tyr	Met
	125	130	135
Pro Asp Leu His	Pro Ala Ala Gly His	Gln Met Asn Gly Thr	Asn
	140	145	150
Gln His Phe Arg	Asp Cys Asn Pro Lys	His Ser Gly Gly Ser	Ser
	155	160	165
Thr Pro Gly Gly	Ser Gly Gly Ser Ser	Thr Pro Gly Gly Ser	Gly
	170	175	180
Ser Ser Ser Gly	Gly Gly Ala Gly Ser	Ser Asn Ser Gly Gly	Gly
	185	190	195
Ser Gly Ser Gly	Asn Met Pro Ala Ser	Val Ala His Val Pro	Ala
	200	205	210
Ala Met Leu Pro	Pro Asn Val Ile Asp	Thr Asp Phe Ile Asp	Glu
	215	220	225

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Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile
				230					235					240
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe
				245					250					255
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys
				260					265					270

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Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly
1				5					10					15
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys
				20					25					30
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe
				35					40					45
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala
				50					55					60
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp
				65					70					75
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys
				80					85					90
Phe	Leu	His	Pro	Leu	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp
				95					100					105
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn
				110					115					120
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr
				125					130					135
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser
				140					145					150
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val
				155					160					165
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser
				170					175					180
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys
				185					190					195
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser
				200					205					210
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser
				215					220					225
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr
				230					235					240
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe
				245					250					255

<210> 11
 <211> 533
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2686765CD1

<400> 11
 Met Ser Gly Thr Leu Glu Ser Leu Ala Asp Asp Val Ser Ser Met

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1	5	10	15
Gly Ser Asp Ser Glu	Ile Asn Gly Leu Ala	Leu Arg Lys Thr Asp	
20	25	30	
Lys Tyr Gly Phe Leu	Gly Gly Ser Gln Tyr	Ser Gly Ser Leu Glu	
35	40	45	
Ser Ser Ile Pro Val	Asp Val Ala Arg Gln	Arg Glu Leu Lys Trp	
50	55	60	
Leu Asp Met Phe Ser	Asn Trp Asp Lys Trp	Leu Ser Arg Arg Phe	
65	70	75	
Gln Lys Val Lys Leu	Arg Cys Arg Lys Gly	Ile Pro Ser Ser Leu	
80	85	90	
Arg Ala Lys Ala Trp	Gln Tyr Leu Ser Asn	Ser Lys Glu Leu Leu	
95	100	105	
Glu Gln Asn Pro Gly	Lys Phe Glu Glu Leu	Glu Arg Ala Pro Gly	
110	115	120	
Asp Pro Lys Trp Leu	Asp Val Ile Glu Lys	Asp Leu His Arg Gln	
125	130	135	
Phe Pro Phe His Glu	Met Phe Ala Ala Arg	Gly Gly His Gly Gln	
140	145	150	
Gln Asp Leu Tyr Arg	Ile Leu Lys Ala Tyr	Thr Ile Tyr Arg Pro	
155	160	165	
Asp Glu Gly Tyr Cys	Gln Ala Gln Ala Pro	Val Ala Ala Val Leu	
170	175	180	
Leu Met His Met Pro	Ala Glu Lys Pro Phe	Gly Ala Trp Val Gln	
185	190	195	
Ile Cys Asp Lys Tyr	Leu Pro Gly Tyr Tyr	Ser Ala Gly Leu Glu	
200	205	210	
Ala Ile Gln Leu Asp	Gly Glu Ile Phe Phe	Ala Leu Leu Arg Arg	
215	220	225	
Ala Ser Pro Leu Ala	His Arg His Leu Gln	Arg Gln Arg Ile Asp	
230	235	240	
Pro Val Leu Tyr Met	Thr Glu Trp Phe Met	Cys Ile Phe Ala Arg	
245	250	255	
Thr Leu Pro Trp Ala	Ser Val Leu Arg Val	Trp Asp Met Phe Phe	
260	265	270	
Cys Glu Gly Val Lys	Ile Ile Phe Arg Val	Ala Leu Val Leu Leu	
275	280	285	
Arg His Thr Leu Gly	Ser Val Glu Lys Leu	Arg Ser Cys Gln Gly	
290	295	300	
Met Tyr Glu Thr Met	Glu Gln Leu Arg Asn	Leu Pro Gln Gln Cys	
305	310	315	
Met Gln Glu Asp Phe	Leu Val His Glu Val	Thr Asn Leu Pro Val	
320	325	330	
Thr Glu Ala Leu Ile	Glu Arg Glu Asn Ala	Ala Gln Leu Lys Lys	
335	340	345	
Trp Arg Glu Thr Arg	Gly Glu Leu Gln Tyr	Arg Pro Ser Arg Arg	
350	355	360	
Leu His Gly Ser Arg	Ala Ile His Glu Glu	Arg Arg Arg Gln Gln	
365	370	375	
Pro Pro Leu Gly Pro	Ser Ser Ser Leu Leu	Ser Leu Pro Gly Leu	
380	385	390	
Lys Ser Arg Gly Ser	Arg Ala Ala Gly Gly	Ala Pro Ser Pro Pro	
395	400	405	
Pro Pro Val Arg Arg	Ala Ser Ala Gly Pro	Ala Pro Gly Pro Val	
410	415	420	
Val Thr Ala Glu Gly	Leu His Pro Ser Leu	Pro Ser Pro Thr Gly	
425	430	435	
Asn Ser Thr Pro Leu	Gly Ser Ser Lys Glu	Thr Arg Lys Gln Glu	
440	445	450	
Lys Glu Arg Gln Lys	Gln Glu Lys Glu Arg	Gln Lys Gln Glu Lys	
455	460	465	
Glu Arg Glu Lys Glu	Arg Gln Lys Gln Glu	Lys Glu Arg Glu Lys	
470	475	480	

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Gln	Glu	Lys	Glu	Arg	Glu	Lys	Gln	Glu	Lys	Glu	Arg	Gln	Lys	Gln
				485					490					495
Glu	Lys	Lys	Ala	Gln	Gly	Arg	Lys	Leu	Ser	Leu	Arg	Arg	Lys	Ala
				500					505					510
Asp	Gly	Pro	Pro	Gly	Pro	His	Asp	Gly	Gly	Asp	Arg	Pro	Ser	Ala
				515					520					525
Glu	Ala	Arg	Gln	Asp	Ala	Tyr	Phe							
				530										

<210> 12
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3215187CD1

<400> 12														
Met	Ala	Phe	Thr	Phe	Ala	Ala	Phe	Cys	Tyr	Met	Leu	Ser	Leu	Val
1				5					10					15
Leu	Cys	Ala	Ala	Leu	Ile	Phe	Phe	Ala	Ile	Trp	His	Ile	Ile	Ala
				20					25					30
Phe	Asp	Glu	Leu	Arg	Thr	Asp	Phe	Lys	Ser	Pro	Ile	Asp	Gln	Cys
				35					40					45
Asn	Pro	Val	His	Ala	Arg	Glu	Arg	Leu	Arg	Asn	Ile	Glu	Arg	Ile
				50					55					60
Cys	Phe	Leu	Leu	Arg	Lys	Leu	Val	Leu	Pro	Glu	Tyr	Ser	Ile	His
				65					70					75
Ser	Leu	Phe	Cys	Ile	Met	Phe	Leu	Cys	Ala	Gln	Glu	Trp	Leu	Thr
				80					85					90
Leu	Gly	Leu	Asn	Val	Pro	Leu	Leu	Phe	Tyr	His	Phe	Trp	Arg	Tyr
				95					100					105
Phe	His	Cys	Pro	Ala	Asp	Ser	Ser	Glu	Leu	Ala	Tyr	Asp	Pro	Pro
				110					115					120
Val	Val	Met	Asn	Ala	Asp	Thr	Leu	Ser	Tyr	Cys	Gln	Lys	Glu	Ala
				125					130					135
Trp	Cys	Lys	Leu	Ala	Phe	Tyr	Leu	Leu	Ser	Phe	Phe	Tyr	Tyr	Leu
				140					145					150
Tyr	Cys	Met	Ile	Tyr	Thr	Leu	Val	Ser	Ser					
				155					160					

<210> 13
 <211> 531
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3500375CD1

<400> 13														
Met	Ala	Asp	Val	Leu	Ser	Val	Leu	Arg	Gln	Tyr	Asn	Ile	Gln	Lys
1				5					10					15
Lys	Glu	Ile	Val	Val	Lys	Gly	Asp	Glu	Val	Ile	Phe	Gly	Glu	Phe
				20					25					30
Ser	Trp	Pro	Lys	Asn	Val	Lys	Thr	Asn	Tyr	Val	Val	Trp	Gly	Thr
				35					40					45
Gly	Lys	Glu	Gly	Gln	Pro	Arg	Glu	Tyr	Tyr	Thr	Leu	Asp	Ser	Ile
				50					55					60
Leu	Phe	Leu	Leu	Asn	Asn	Val	His	Leu	Ser	His	Pro	Val	Tyr	Val
				65					70					75
Arg	Arg	Ala	Ala	Thr	Glu	Asn	Ile	Pro	Val	Val	Arg	Arg	Pro	Asp
				80					85					90
Arg	Lys	Asp	Leu	Leu	Gly	Tyr	Leu	Asn	Gly	Glu	Ala	Ser	Thr	Ser

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	95		100		105
Ala Ser Ile Asp Arg	Ser Ala Pro Leu	Glu Ile Gly Leu Gln	Arg		
110	115	120			
Ser Thr Gln Val Lys	Arg Ala Ala Asp	Glu Val Leu Ala Glu	Ala		
125	130	135			
Lys Lys Pro Arg Ile	Glu Asp Glu Glu	Cys Val Arg Leu Asp	Lys		
140	145	150			
Glu Arg Leu Ala Ala	Arg Leu Glu Gly	His Lys Glu Gly Ile	Val		
155	160	165			
Gln Thr Glu Gln Ile	Arg Ser Leu Ser	Glu Ala Met Ser Val	Glu		
170	175	180			
Lys Ile Ala Ala Ile	Lys Ala Lys Ile	Met Ala Lys Lys Arg	Ser		
185	190	195			
Thr Ile Lys Thr Asp	Leu Asp Asp Asp	Ile Thr Ala Leu Lys	Gln		
200	205	210			
Arg Ser Phe Val Asp	Ala Glu Val Asp	Val Thr Arg Asp Ile	Val		
215	220	225			
Ser Arg Glu Arg Val	Trp Arg Thr Arg	Thr Thr Ile Leu Gln	Ser		
230	235	240			
Thr Gly Lys Asn Phe	Ser Lys Asn Ile	Phe Ala Ile Leu Gln	Ser		
245	250	255			
Val Lys Ala Arg Glu	Glu Gly Arg Ala	Pro Glu Gln Arg Pro	Ala		
260	265	270			
Pro Asn Ala Ala Pro	Val Asp Pro Thr	Leu Arg Thr Lys Gln	Pro		
275	280	285			
Ile Pro Ala Ala Tyr	Asn Arg Tyr Asp	Gln Glu Arg Phe Lys	Gly		
290	295	300			
Lys Glu Glu Thr Glu	Gly Phe Lys Ile	Asp Thr Met Gly Thr	Tyr		
305	310	315			
His Gly Met Thr Leu	Lys Ser Val Thr	Glu Gly Ala Ser Ala	Arg		
320	325	330			
Lys Thr Gln Thr Pro	Ala Ala Gln Pro	Val Pro Arg Pro Val	Ser		
335	340	345			
Gln Ala Arg Pro Pro	Pro Asn Gln Lys	Lys Gly Ser Arg Thr	Pro		
350	355	360			
Ile Ile Ile Ile Pro	Ala Ala Thr Thr	Ser Leu Ile Thr Met	Leu		
365	370	375			
Asn Ala Lys Asp Leu	Leu Gln Asp Leu	Lys Phe Val Pro Ser	Asp		
380	385	390			
Glu Lys Lys Lys Gln	Gly Cys Gln Arg	Glu Asn Glu Thr Leu	Ile		
395	400	405			
Gln Arg Arg Lys Asp	Gln Met Gln Pro	Gly Gly Thr Ala Ile	Ser		
410	415	420			
Val Thr Val Pro Tyr	Arg Val Val Asp	Gln Pro Leu Lys Leu	Met		
425	430	435			
Pro Gln Asp Trp Asp	Arg Val Val Ala	Val Phe Val Gln Gly	Pro		
440	445	450			
Ala Trp Gln Phe Lys	Gly Trp Pro Trp	Leu Leu Pro Asp Gly	Ser		
455	460	465			
Pro Val Asp Ile Phe	Ala Lys Ile Lys	Ala Phe His Leu Lys	Tyr		
470	475	480			
Asp Glu Val Arg Leu	Asp Pro Asn Val	Gln Lys Trp Asp Val	Thr		
485	490	495			
Val Leu Glu Leu Ser	Tyr His Lys Arg	His Leu Asp Arg Pro	Val		
500	505	510			
Phe Leu Arg Phe Trp	Glu Thr Leu Asp	Arg Tyr Met Val Lys	His		
515	520	525			
Lys Ser His Leu Arg	Phe				
530					

<210> 14

<211> 165

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 5080410CD1

<400> 14

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn
1				5					10					15
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala
				20					25					30
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe
				35					40					45
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr
				50					55					60
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	His	Pro	Ile	Leu	Pro
				65					70					75
Met	Lys	Gly	Ala	Leu	Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp
				80					85					90
Ser	Asp	Pro	Trp	Val	Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe
				95					100					105
Pro	Asp	Thr	Gly	Ser	Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro
				110					115					120
Asn	Val	Gln	Asp	Ile	Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu
				125					130					135
Cys	Glu	Ala	Ser	Ala	Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn
				140					145					150
Lys	Asn	Ala	Ala	Asp	Asp	Pro	Arg	Gly	Thr	Pro	His	Ser	Pro	Gly
				155					160					165

<210> 15

<211> 199

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5218248CD1

<400> 15

Met	Ser	Asn	Met	Glu	Lys	His	Leu	Phe	Asn	Leu	Lys	Phe	Ala	Ala
1				5					10					15
Lys	Glu	Leu	Ser	Arg	Ser	Ala	Lys	Lys	Cys	Asp	Lys	Glu	Glu	Lys
				20					25					30
Ala	Glu	Lys	Ala	Lys	Ile	Lys	Lys	Ala	Ile	Gln	Lys	Gly	Asn	Met
				35					40					45
Glu	Val	Ala	Arg	Ile	His	Ala	Glu	Asn	Ala	Ile	Arg	Gln	Lys	Asn
				50					55					60
Gln	Ala	Val	Asn	Phe	Leu	Arg	Met	Ser	Ala	Arg	Val	Asp	Ala	Val
				65					70					75
Ala	Ala	Arg	Val	Gln	Thr	Ala	Val	Thr	Met	Gly	Lys	Val	Thr	Lys
				80					85					90
Ser	Met	Ala	Gly	Val	Val	Lys	Ser	Met	Asp	Ala	Thr	Leu	Lys	Thr
				95					100					105
Met	Asn	Leu	Glu	Lys	Ile	Ser	Ala	Leu	Met	Asp	Lys	Phe	Glu	His
				110					115					120
Gln	Phe	Glu	Thr	Leu	Asp	Val	Gln	Thr	Gln	Gln	Met	Glu	Asp	Thr
				125					130					135
Met	Ser	Ser	Thr	Thr	Thr	Leu	Thr	Thr	Pro	Gln	Asn	Gln	Val	Asp
				140					145					150
Met	Leu	Leu	Gln	Glu	Met	Ala	Asp	Glu	Ala	Gly	Leu	Asp	Leu	Asn
				155					160					165
Met	Glu	Leu	Pro	Gln	Gly	Gln	Thr	Gly	Ser	Val	Gly	Thr	Ser	Val
				170					175					180
Ala	Ser	Ala	Glu	Gln	Asp	Glu	Leu	Ser	Gln	Arg	Leu	Ala	Arg	Leu

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Arg Asp Gln Val 185 190 195

<210> 16
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 058336CD1

<400> 16
 Met Ala Phe Asn Asp Cys Phe Ser Leu Asn Tyr Pro Gly Asn Pro
 1 5 10 15
 Cys Pro Gly Asp Leu Ile Glu Val Phe Arg Pro Gly Tyr Gln His
 20 25 30
 Trp Ala Leu Tyr Leu Gly Asp Gly Tyr Val Ile Asn Ile Ala Pro
 35 40 45
 Val Asp Gly Ile Pro Ala Ser Phe Thr Ser Ala Lys Ser Val Phe
 50 55 60
 Ser Ser Lys Ala Leu Val Lys Met Gln Leu Leu Lys Asp Val Val
 65 70 75
 Gly Asn Asp Thr Tyr Arg Ile Asn Asn Lys Tyr Asp Glu Thr Tyr
 80 85 90
 Pro Pro Leu Pro Val Glu Glu Ile Ile Lys Arg Ser Glu Phe Val
 95 100 105
 Ile Gly Gln Glu Val Ala Tyr Asn Leu Leu Val Asn Asn Cys Glu
 110 115 120
 His Phe Val Thr Leu Leu Arg Tyr Gly Glu Gly Val Ser Glu Gln
 125 130 135
 Ala Asn Arg Ala Ile Ser Thr Val Glu Phe Val Thr Ala Ala Val
 140 145 150
 Gly Val Phe Ser Phe Leu Gly Leu Phe Pro Lys Gly Gln Arg Ala
 155 160 165
 Lys Tyr Tyr

<210> 17
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1511488CD1

<400> 17
 Met Leu Arg Ala Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu
 1 5 10 15
 Thr Val Arg Cys Gly Pro Gly Ala Pro Leu Glu Ala Thr Arg Arg
 20 25 30
 Pro Ala Pro Ala Leu Pro Pro Arg Gly Leu Pro Cys Tyr Ser Ser
 35 40 45
 Gly Gly Ala Pro Ser Asn Ser Gly Pro Gln Gly His Gly Glu Ile
 50 55 60
 His Arg Val Pro Thr Gln Arg Arg Pro Ser Gln Phe Asp Lys Lys
 65 70 75
 Ile Leu Leu Trp Thr Gly Arg Phe Lys Ser Met Glu Glu Ile Pro
 80 85 90
 Pro Arg Ile Pro Pro Glu Met Ile Asp Thr Ala Arg Asn Lys Ala
 95 100 105
 Arg Val Lys Ala Cys Tyr Ile Met Ile Gly Leu Thr Ile Ile Ala
 110 115 120

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Cys Phe Ala Val Ile Val Ser Ala Lys Arg Ala Val Glu Arg His
 125 130 135
 Glu Ser Leu Thr Ser Trp Asn Leu Ala Lys Lys Ala Lys Trp Arg
 140 145 150
 Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys Ala Lys
 155 160

<210> 18
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1638819CD1

<400> 18
 Met Ala Gly Tyr Leu Lys Leu Val Cys Val Ser Phe Gln Arg Gln
 1 5 10 15
 Gly Phe His Thr Val Gly Ser Arg Cys Lys Asn Arg Thr Gly Ala
 20 25 30
 Glu His Leu Trp Leu Thr Arg His Leu Arg Asp Pro Phe Val Lys
 35 40 45
 Ala Ala Lys Val Glu Ser Tyr Arg Cys Arg Ser Ala Phe Lys Leu
 50 55 60
 Leu Glu Val Asn Glu Arg His Gln Ile Leu Arg Pro Gly Leu Arg
 65 70 75
 Val Leu Asp Cys Gly Ala Ala Pro Gly Ala Trp Ser Gln Val Ala
 80 85 90
 Val Gln Lys Val Asn Ala Ala Gly Thr Asp Pro Ser Ser Pro Val
 95 100 105
 Gly Phe Val Leu Gly Val Asp Leu Leu His Ile Phe Pro Leu Glu
 110 115 120
 Gly Ala Thr Phe Leu Cys Pro Ala Asp Val Thr Asp Pro Arg Thr
 125 130 135
 Ser Gln Arg Ile Leu Glu Val Leu Pro Gly Arg Arg Ala Asp Val
 140 145 150
 Ile Leu Ser Asp Met Ala Pro Asn Ala Thr Gly Phe Arg Asp Leu
 155 160 165
 Asp His Asp Arg Leu Ile Ser Leu Cys Leu Thr Leu Leu Ser Val
 170 175 180
 Thr Pro Asp Ile Leu Gln Pro Gly Gly Thr Phe Leu Cys Lys Thr
 185 190 195
 Trp Ala Gly Ser Gln Ser Arg Arg Leu Gln Arg Arg Leu Thr Glu
 200 205 210
 Glu Phe Gln Asn Val Arg Ile Ile Lys Pro Glu Ala Ser Arg Lys
 215 220 225
 Glu Ser Ser Glu Val Tyr Phe Leu Ala Thr Gln Tyr His Gly Arg
 230 235 240
 Lys Gly Thr Val Lys Gln
 245

<210> 19
 <211> 483
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1655123CD1

<400> 19
 Met Glu Glu Gly Gly Gly Gly Val Arg Ser Leu Val Pro Gly Gly
 1 5 10 15
 Pro Val Leu Leu Val Leu Cys Gly Leu Leu Glu Ala Ser Gly Gly

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	20		25		30
Gly Arg Ala Leu Pro Gln Leu Ser Asp Asp Ile Pro Phe Arg Val					
	35		40		45
Asn Trp Pro Gly Thr Glu Phe Ser Leu Pro Thr Thr Gly Val Leu					
	50		55		60
Tyr Lys Glu Asp Asn Tyr Val Ile Met Thr Thr Ala His Lys Glu					
	65		70		75
Lys Tyr Lys Cys Ile Leu Pro Leu Val Thr Ser Gly Asp Glu Glu					
	80		85		90
Glu Glu Lys Asp Tyr Lys Gly Pro Asn Pro Arg Glu Leu Leu Glu					
	95		100		105
Pro Leu Phe Lys Gln Ser Ser Cys Ser Tyr Arg Ile Glu Ser Tyr					
	110		115		120
Trp Thr Tyr Glu Val Cys His Gly Lys His Ile Arg Gln Tyr His					
	125		130		135
Glu Glu Lys Glu Thr Gly Gln Lys Ile Asn Ile His Glu Tyr Tyr					
	140		145		150
Leu Gly Asn Met Leu Ala Lys Asn Leu Leu Phe Glu Lys Glu Arg					
	155		160		165
Glu Ala Glu Glu Lys Glu Lys Ser Asn Glu Ile Pro Thr Lys Asn					
	170		175		180
Ile Glu Gly Gln Met Thr Pro Tyr Tyr Pro Val Gly Met Gly Asn					
	185		190		195
Gly Thr Pro Cys Ser Leu Lys Gln Asn Arg Pro Arg Ser Ser Thr					
	200		205		210
Val Met Tyr Ile Cys His Pro Glu Ser Lys His Glu Ile Leu Ser					
	215		220		225
Val Ala Glu Val Thr Thr Cys Glu Tyr Glu Val Val Ile Leu Thr					
	230		235		240
Pro Leu Leu Cys Ser His Pro Lys Tyr Arg Phe Arg Ala Ser Pro					
	245		250		255
Val Asn Asp Ile Phe Cys Gln Ser Leu Pro Gly Ser Pro Phe Lys					
	260		265		270
Pro Leu Thr Leu Arg Gln Leu Glu Gln Gln Glu Glu Ile Leu Arg					
	275		280		285
Val Pro Phe Arg Arg Asn Lys Glu Glu Asp Leu Gln Ser Thr Lys					
	290		295		300
Glu Glu Arg Phe Pro Ala Ile His Lys Ser Ile Ala Ile Gly Ser					
	305		310		315
Gln Pro Val Leu Thr Val Gly Thr Thr His Ile Ser Lys Leu Thr					
	320		325		330
Asp Asp Gln Leu Ile Lys Glu Phe Leu Ser Gly Ser Tyr Cys Phe					
	335		340		345
Arg Gly Gly Val Gly Trp Trp Lys Tyr Glu Phe Cys Tyr Gly Lys					
	350		355		360
His Val His Gln Tyr His Glu Asp Lys Asp Ser Gly Lys Thr Ser					
	365		370		375
Val Val Val Gly Thr Trp Asn Gln Glu Glu His Ile Glu Trp Ala					
	380		385		390
Lys Lys Asn Thr Ala Arg Ala Tyr His Leu Gln Asp Asp Gly Thr					
	395		400		405
Gln Thr Val Arg Met Val Ser His Phe Tyr Gly Asn Gly Asp Ile					
	410		415		420
Cys Asp Ile Thr Asp Lys Pro Arg Gln Val Thr Val Lys Leu Lys					
	425		430		435
Cys Lys Glu Ser Asp Ser Pro His Ala Val Thr Val Tyr Met Leu					
	440		445		450
Glu Pro His Ser Cys Gln Tyr Ile Leu Gly Val Glu Ser Pro Val					
	455		460		465
Ile Cys Lys Ile Leu Asp Thr Ala Asp Glu Asn Gly Leu Leu Ser					
	470		475		480
Leu Pro Asn					

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<210> 20
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2553926CD1

<400> 20
 Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Ala Leu Glu Val
 1 5 10 15
 Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu
 20 25 30
 Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp
 35 40 45
 Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala
 50 55 60
 Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly
 65 70 75
 Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile
 80 85 90
 Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu
 95 100 105
 His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln
 110 115 120
 Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe
 125 130 135
 Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg
 140 145 150
 Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln
 155 160 165
 His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly
 170 175 180
 Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu
 185 190 195
 Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln
 200 205 210
 Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe
 215 220 225
 Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro
 230 235 240
 Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met
 245 250 255
 Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly
 260 265 270
 Leu Gln Pro Ala Gly Asp Val Asn Leu Pro
 275 280

<210> 21
 <211> 425
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2800717CD1

<400> 21
 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
 1 5 10 15
 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
 20 25 30
 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

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	35		40		45									
Ala	Ile	Arg	Asp	Asn	Ser	Gln	Val	Asn	Ala	Val	Thr	Val	Leu	Thr
	50								55					60
Leu	Leu	Asp	Lys	Leu	Val	Asn	Met	Leu	Asp	Ala	Val	Gln	Glu	Asn
	65								70					75
Gln	His	Lys	Met	Glu	Gln	Arg	Gln	Ile	Ser	Leu	Glu	Gly	Ser	Val
	80								85					90
Lys	Gly	Ile	Gln	Asn	Asp	Leu	Thr	Lys	Leu	Ser	Lys	Tyr	Gln	Ala
	95								100					105
Ser	Thr	Ser	Asn	Thr	Val	Ser	Lys	Leu	Leu	Glu	Lys	Ser	Arg	Lys
	110								115					120
Val	Ser	Ala	His	Thr	Arg	Ala	Val	Lys	Glu	Arg	Met	Asp	Arg	Gln
	125								130					135
Cys	Ala	Gln	Val	Lys	Arg	Leu	Glu	Asn	Asn	His	Ala	Gln	Leu	Leu
	140								145					150
Arg	Arg	Asn	His	Phe	Lys	Val	Leu	Ile	Phe	Gln	Glu	Glu	Asn	Glu
	155								160					165
Ile	Pro	Ala	Ser	Val	Phe	Val	Lys	Gln	Pro	Val	Ser	Gly	Ala	Val
	170								175					180
Glu	Gly	Lys	Glu	Glu	Leu	Pro	Asp	Glu	Asn	Lys	Ser	Leu	Glu	Glu
	185								190					195
Thr	Leu	His	Thr	Val	Asp	Leu	Ser	Ser	Asp	Asp	Leu	Pro	His	
	200								205					210
Asp	Glu	Glu	Ala	Leu	Glu	Asp	Ser	Ala	Glu	Glu	Lys	Val	Glu	Glu
	215								220					225
Ser	Arg	Ala	Glu	Lys	Ile	Lys	Arg	Ser	Ser	Leu	Lys	Lys	Val	Asp
	230								235					240
Ser	Leu	Lys	Lys	Ala	Phe	Ser	Arg	Gln	Asn	Ile	Glu	Lys	Lys	Met
	245								250					255
Asn	Lys	Leu	Gly	Thr	Lys	Ile	Val	Ser	Val	Glu	Arg	Arg	Glu	Lys
	260								265					270
Ile	Lys	Lys	Ser	Leu	Thr	Ser	Asn	His	Gln	Lys	Ile	Ser	Ser	Gly
	275								280					285
Lys	Ser	Ser	Pro	Phe	Lys	Val	Ser	Pro	Leu	Thr	Phe	Gly	Arg	Lys
	290								295					300
Lys	Val	Arg	Glu	Gly	Glu	Ser	His	Ala	Glu	Asn	Glu	Thr	Lys	Ser
	305								310					315
Glu	Asp	Leu	Pro	Ser	Ser	Glu	Gln	Met	Pro	Asn	Asp	Gln	Glu	Glu
	320								325					330
Glu	Ser	Phe	Ala	Glu	Gly	His	Ser	Glu	Ala	Ser	Leu	Ala	Ser	Ala
	335								340					345
Leu	Val	Glu	Gly	Glu	Ile	Ala	Glu	Glu	Ala	Ala	Glu	Lys	Ala	Thr
	350								355					360
Ser	Arg	Gly	Ser	Asn	Ser	Gly	Met	Asp	Ser	Asn	Ile	Asp	Leu	Thr
	365								370					375
Ile	Val	Glu	Asp	Glu	Glu	Glu	Glu	Ser	Val	Ala	Leu	Glu	Gln	Ala
	380								385					390
Gln	Lys	Val	Arg	Tyr	Glu	Gly	Ser	Tyr	Ala	Leu	Thr	Ser	Glu	Glu
	395								400					405
Ala	Glu	Arg	Ser	Asp	Gly	Asp	Pro	Val	Gln	Pro	Ala	Val	Leu	Gln
	410								415					420
Val	His	Gln	Thr	Ser										
	425													

<210> 22

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CD1

<400> 22

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Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1      5      10      15
Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
      20      25      30
Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
      35      40      45
Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
      50      55      60
Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
      65      70      75
Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
      80      85      90
Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
      95     100     105
His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
     110     115     120
His Asp Glu Phe Cys Leu Met Pro
      125

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<210> 23

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 017900CD1

<400> 23

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Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1      5      10      15
Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
      20      25      30
Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
      35      40      45
Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
      50      55      60
Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
      65      70      75
Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
      80      85      90
Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
      95     100     105
Gly Trp Glu Glu Asp Glu Asp Phe
      110

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<210> 24

<211> 308

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 035102CD1

<400> 24

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Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1      5      10      15
Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
      20      25      30
Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
      35      40      45
Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
      50      55      60
Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Ala Tyr Arg Arg

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65	70	75
Leu Asn Arg Thr Val Ala Glu Leu Val	Gln Phe Leu Leu Val	Lys
80	85	90
Asp Lys Lys Lys Ser Pro Ile Thr Arg	Ser Glu Met Val Lys Tyr	
95	100	105
Val Ile Gly Asp Leu Lys Ile Leu Phe	Pro Asp Ile Ile Ala Arg	
110	115	120
Ala Ala Glu His Leu Arg Tyr Val Phe	Gly Phe Glu Leu Lys Gln	
125	130	135
Phe Asp Arg Lys His His Thr Tyr Ile	Leu Ile Asn Lys Leu Lys	
140	145	150
Pro Leu Glu Glu Glu Glu Glu Glu	Asp Leu Gly Gly Asp Gly	
155	160	165
Pro Arg Leu Gly Leu Leu Met Met Ile	Leu Gly Leu Ile Tyr Met	
170	175	180
Arg Gly Asn Ser Ala Arg Glu Ala Gln	Val Trp Glu Met Leu Arg	
185	190	195
Arg Leu Gly Val Gln Pro Ser Lys Tyr	His Phe Leu Phe Gly Tyr	
200	205	210
Pro Lys Arg Leu Ile Met Glu Asp Phe	Val Gln Gln Arg Tyr Leu	
215	220	225
Ser Tyr Arg Arg Val Pro His Thr Asn	Pro Pro Ala Tyr Glu Phe	
230	235	240
Ser Trp Gly Pro Arg Ser Asn Leu Glu	Ile Ser Lys Met Glu Val	
245	250	255
Leu Gly Phe Val Ala Lys Leu His Lys	Lys Glu Pro Gln His Trp	
260	265	270
Pro Val Gln Tyr Arg Glu Ala Leu Ala	Asp Glu Ala Asp Arg Ala	
275	280	285
Arg Ala Lys Ala Arg Ala Glu Ala Ser	Met Arg Ala Arg Ala Ser	
290	295	300
Ala Arg Ala Gly Ile His Leu Trp		
305		

<210> 25

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CD1

<400> 25

Met Phe Gly Phe His Lys Pro Lys Met Tyr Arg Ser Ile Glu Gly	
1 5 10 15	
Cys Cys Ile Cys Arg Ala Lys Ser Ser Ser Arg Phe Thr Asp	
20 25 30	
Ser Lys Arg Tyr Glu Lys Asp Phe Gln Ser Cys Phe Gly Leu His	
35 40 45	
Glu Thr Arg Ser Gly Asp Ile Cys Asn Ala Cys Val Leu Leu Val	
50 55 60	
Lys Arg Trp Lys Lys Leu Pro Ala Gly Ser Lys Lys Asn Trp Asn	
65 70 75	
His Val Val Asp Ala Arg Ala Gly Pro Ser Leu Lys Thr Thr Leu	
80 85 90	
Lys Pro Lys Lys Val Lys Thr Leu Ser Gly Asn Arg Ile Lys Ser	
95 100 105	
Asn Gln Ile Ser Lys Leu Gln Lys Glu Phe Lys Arg His Asn Ser	
110 115 120	
Asp Ala His Ser Thr Thr Ser Ser Ala Ser Pro Ala Gln Ser Pro	
125 130 135	
Cys Tyr Ser Asn Gln Ser Asp Asp Gly Ser Asp Thr Glu Met Ala	
140 145 150	

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Ser	Gly	Ser	Asn	Arg	Thr	Pro	Val	Phe	Ser	Phe	Leu	Asp	Leu	Thr
				155					160					165
Tyr	Trp	Lys	Arg	Gln	Lys	Ile	Cys	Cys	Gly	Ile	Ile	Tyr	Lys	Gly
				170					175					180
Arg	Phe	Gly	Glu	Val	Leu	Ile	Asp	Thr	His	Leu	Phe	Lys	Pro	Cys
				185					190					195
Cys	Ser	Asn	Lys	Lys	Ala	Ala	Ala	Glu	Lys	Pro	Glu	Glu	Gln	Gly
				200					205					210
Pro	Glu	Pro	Leu	Pro	Ile	Ser	Thr	Gln	Glu	Trp				
				215					220					

<210> 26

<211> 402

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 926810CD1

<400> 26

Met	Ala	Ser	Ile	Ile	Ala	Arg	Val	Gly	Asn	Ser	Arg	Arg	Leu	Asn
1				5					10					15
Ala	Pro	Leu	Pro	Pro	Trp	Ala	His	Ser	Met	Leu	Arg	Ser	Leu	Gly
				20					25					30
Arg	Ser	Leu	Gly	Pro	Ile	Met	Ala	Ser	Met	Ala	Asp	Arg	Asn	Met
				35					40					45
Lys	Leu	Phe	Ser	Gly	Arg	Val	Val	Pro	Ala	Gln	Gly	Glu	Glu	Thr
				50					55					60
Phe	Glu	Asn	Trp	Leu	Thr	Gln	Val	Asn	Gly	Val	Leu	Pro	Asp	Trp
				65					70					75
Asn	Met	Ser	Glu	Glu	Glu	Lys	Leu	Lys	Arg	Leu	Met	Lys	Thr	Leu
				80					85					90
Arg	Gly	Pro	Ala	Arg	Glu	Val	Met	Arg	Val	Leu	Gln	Ala	Thr	Asn
				95					100					105
Pro	Asn	Leu	Ser	Val	Ala	Asp	Phe	Leu	Arg	Ala	Met	Lys	Leu	Val
				110					115					120
Phe	Gly	Glu	Ser	Glu	Ser	Ser	Val	Thr	Ala	His	Gly	Lys	Phe	Phe
				125					130					135
Asn	Thr	Leu	Gln	Ala	Gln	Gly	Glu	Lys	Ala	Ser	Leu	Tyr	Val	Ile
				140					145					150
Arg	Leu	Glu	Val	Gln	Leu	Gln	Asn	Ala	Ile	Gln	Ala	Gly	Ile	Ile
				155					160					165
Ala	Glu	Lys	Asp	Ala	Asn	Arg	Thr	Arg	Leu	Gln	Gln	Leu	Leu	Leu
				170					175					180
Gly	Gly	Glu	Leu	Ser	Arg	Asp	Leu	Arg	Leu	Arg	Leu	Lys	Asp	Phe
				185					190					195
Leu	Arg	Met	Tyr	Ala	Asn	Glu	Gln	Glu	Arg	Leu	Pro	Asn	Phe	Leu
				200					205					210
Glu	Leu	Ile	Arg	Met	Val	Arg	Glu	Glu	Glu	Asp	Trp	Asp	Asp	Ala
				215					220					225
Phe	Ile	Lys	Arg	Lys	Arg	Pro	Lys	Arg	Ser	Glu	Ser	Met	Val	Glu
				230					235					240
Arg	Ala	Val	Ser	Pro	Val	Ala	Phe	Gln	Gly	Ser	Pro	Pro	Ile	Val
				245					250					255
Ile	Gly	Ser	Ala	Asp	Cys	Asn	Val	Ile	Glu	Ile	Asp	Asp	Thr	Leu
				260					265					270
Asp	Asp	Ser	Asp	Glu	Asp	Val	Ile	Leu	Val	Glu	Ser	Gln	Asp	Pro
				275					280					285
Pro	Leu	Pro	Ser	Trp	Gly	Ala	Pro	Pro	Leu	Arg	Asp	Arg	Ala	Arg
				290					295					300
Pro	Gln	Asp	Glu	Val	Leu	Val	Ile	Asp	Ser	Pro	His	Asn	Ser	Arg
				305					310					315
Ala	Gln	Phe	Pro	Ser	Thr	Ser	Gly	Gly	Ser	Gly	Tyr	Lys	Asn	Asn

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	320		325		330
Gly Pro Gly Glu	Met Arg Arg Ala Arg	Lys Arg Lys His Thr	Ile		
	335		340		345
Arg Cys Ser Tyr	Cys Gly Glu Glu Gly	His Ser Lys Glu Thr	Cys		
	350		355		360
Asp Asn Glu Ser	Asp Lys Ala Gln Val	Phe Glu Asn Leu Ile	Ile		
	365		370		375
Thr Leu Gln Glu	Leu Thr His Thr Glu	Met Glu Arg Ser Arg	Val		
	380		385		390
Ala Pro Gly Glu	Tyr Asn Asp Phe Ser	Glu Pro Leu			
	395		400		

<210> 27

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CD1

<400> 27

Met Ser Thr Asp Thr	Gly Val Ser Leu Pro	Ser Tyr Glu Glu Asp	
1	5	10	15
Gln Gly Ser Lys Leu	Ile Arg Lys Ala Lys	Glu Ala Pro Phe Val	
	20	25	30
Pro Val Gly Ile Ala	Gly Phe Ala Ala Ile	Val Ala Tyr Gly Leu	
	35	40	45
Tyr Lys Leu Lys Ser	Arg Gly Asn Thr Lys	Met Ser Ile His Leu	
	50	55	60
Ile His Met Arg Val	Ala Ala Gln Gly Phe	Val Val Gly Ala Met	
	65	70	75
Thr Val Gly Met Gly	Tyr Ser Met Tyr Arg	Glu Phe Trp Ala Lys	
	80	85	90
Pro Lys Pro			

<210> 28

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CD1

<400> 28

Met Asn Arg Glu Asp	Arg Asn Val Leu Arg	Met Lys Glu Arg Glu	
1	5	10	15
Arg Arg Asn Gln Glu	Ile Gln Gln Gly Glu	Asp Ala Phe Pro Pro	
	20	25	30
Ser Ser Pro Leu Phe	Ala Glu Pro Tyr Lys	Val Thr Ser Lys Glu	
	35	40	45
Asp Lys Leu Ser Ser	Arg Ile Gln Ser Met	Leu Gly Asn Tyr Asp	
	50	55	60
Glu Met Lys Asp Phe	Ile Gly Asp Arg Ser	Ile Pro Lys Leu Val	
	65	70	75
Ala Ile Pro Lys Pro	Thr Val Pro Pro Ser	Ala Asp Glu Lys Ser	
	80	85	90
Asn Pro Asn Phe Phe	Glu Gln Arg His Gly	Gly Ser His Gln Ser	
	95	100	105
Ser Lys Trp Thr Pro	Val Gly Pro Ala Pro	Ser Thr Ser Gln Ser	
	110	115	120
Gln Lys Arg Ser Ser	Gly Leu Gln Ser Gly	His Ser Ser Gln Arg	
	125	130	135

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Thr	Ser	Ala	Gly	Ser	Ser	Ser	Gly	Thr	Asn	Ser	Ser	Gly	Gln	Arg	
				140					145					150	
His	Asp	Arg	Glu	Ser	Tyr	Asn	Asn	Ser	Gly	Ser	Ser	Ser	Arg	Lys	
				155					160					165	
Lys	Gly	Gln	His	Gly	Ser	Glu	His	Ser	Lys	Ser	Arg	Ser	Ser	Ser	
				170					175					180	
Pro	Gly	Lys	Pro	Gln	Ala	Val	Ser	Ser	Leu	Asn	Ser	Ser	His	Ser	
				185					190					195	
Arg	Ser	His	Gly	Asn	Asp	His	His	Ser	Lys	Glu	His	Gln	Arg	Ser	
				200					205					210	
Lys	Ser	Pro	Arg	Asp	Pro	Asp	Ala	Asn	Trp	Asp	Ser	Pro	Ser	Arg	
				215					220					225	
Val	Pro	Phe	Ser	Ser	Gly	Gln	His	Ser	Thr	Gln	Ser	Phe	Pro	Pro	
				230					235					240	
Ser	Leu	Met	Ser	Lys	Ser	Asn	Ser	Met	Leu	Gln	Lys	Pro	Thr	Ala	
				245					250					255	
Tyr	Val	Arg	Pro	Met	Asp	Gly	Gln	Glu	Ser	Met	Glu	Pro	Lys	Leu	
				260					265					270	
Ser	Ser	Glu	His	Tyr	Ser	Ser	Gln	Ser	His	Gly	Asn	Ser	Met	Thr	
				275					280					285	
Glu	Leu	Lys	Pro	Ser	Ser	Lys	Ala	His	Leu	Thr	Lys	Leu	Lys	Ile	
				290					295					300	
Pro	Ser	Gln	Pro	Leu	Asp	Ala	Ser	Ala	Ser	Gly	Asp	Val	Ser	Cys	
				305					310					315	
Val	Asp	Glu	Ile	Leu	Lys	Glu	Met	Thr	His	Ser	Trp	Pro	Pro	Pro	
				320					325					330	
Leu	Thr	Ala	Ile	His	Thr	Pro	Cys	Lys	Thr	Glu	Pro	Ser	Lys	Phe	
				335					340					345	
Pro	Phe	Pro	Thr	Lys	Val	Ser	Lys								
				350											

<210> 29

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1514559CD1

<400> 29

Met	Ser	Glu	Pro	Ala	Gly	Asp	Val	Arg	Gln	Asn	Pro	Cys	Gly	Ser	
1				5					10					15	
Lys	Ala	Cys	Arg	Arg	Leu	Phe	Gly	Pro	Val	Asp	Ser	Glu	Gln	Leu	
				20					25					30	
Ser	Arg	Asp	Cys	Asp	Ala	Leu	Met	Ala	Gly	Cys	Ile	Gln	Glu	Ala	
				35					40					45	
Arg	Glu	Arg	Trp	Asn	Phe	Asp	Phe	Val	Thr	Glu	Thr	Pro	Leu	Glu	
				50					55					60	
Gly	Asp	Phe	Ala	Trp	Glu	Arg	Val	Arg	Gly	Leu	Gly	Leu	Pro	Lys	
				65					70					75	
Leu	Tyr	Leu	Pro	Thr	Trp	Ser	Ala	Gly	Trp	Tyr	Pro	Leu	Glu	Gly	
				80					85					90	
Cys	Gly	Ser	Phe	Pro	Ser	Leu	Ser	Gln	Ala	Val	Met	Lys	Phe	Thr	
				95					100					105	
Pro	Phe	Pro	Gly	His	Ser	Asp	Leu	Asn	Ser	Phe	Ser	Phe	Glu	Lys	
				110					115					120	

<210> 30

<211> 144

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature
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<223> Incyte ID No: 1620092CD1

<400> 30

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<210> 31

<211> 933

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature
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<223> Incyte ID No: 1678765CD1

<400> 31

Met	Phe	Tyr	Leu	Glu	Asp	Asp	Lys	Glu	Asp	Glu	Val	Val	Cys	Lys
1				5					10					15
Gly	Ser	Leu	Ser	Lys	Thr	Gln	Asp	Val	Tyr	His	Asp	Lys	Ser	Pro
				20					25					30
Pro	Gly	Ile	Leu	Ser	Gln	Thr	Met	Asn	Tyr	Val	Gly	Gln	Leu	Ala
				35					40					45
Gly	Gln	Val	Ile	Val	Thr	Val	Lys	Glu	Leu	Tyr	Lys	Gly	Ile	Asn
				50					55					60
Gln	Ala	Thr	Leu	Ser	Gly	Cys	Ile	Asp	Val	Ile	Val	Val	Gln	Gln
				65					70					75
Gln	Asp	Gly	Ser	Tyr	Gln	Cys	Ser	Pro	Phe	His	Val	Arg	Phe	Gly
				80					85					90
Lys	Leu	Gly	Val	Leu	Arg	Ser	Lys	Glu	Lys	Val	Ile	Asp	Ile	Glu
				95					100					105
Ile	Asn	Gly	Ser	Ala	Val	Asp	Leu	His	Met	Lys	Leu	Gly	Asp	Asn
				110					115					120
Gly	Glu	Ala	Phe	Phe	Val	Glu	Glu	Thr	Glu	Glu	Glu	Tyr	Glu	Lys
				125					130					135
Leu	Pro	Ala	Tyr	Leu	Ala	Thr	Ser	Pro	Ile	Pro	Thr	Glu	Asp	Gln
				140					145					150
Phe	Phe	Lys	Asp	Ile	Asp	Thr	Pro	Leu	Val	Lys	Ser	Gly	Gly	Asp
				155					160					165
Glu	Thr	Pro	Ser	Gln	Ser	Ser	Asp	Ile	Ser	His	Val	Leu	Glu	Thr
				170					175					180
Glu	Thr	Ile	Phe	Thr	Pro	Ser	Ser	Val	Lys	Lys	Lys	Lys	Arg	Arg
				185					190					195
Arg	Lys	Lys	Tyr	Lys	Gln	Asp	Ser	Lys	Lys	Glu	Glu	Gln	Ala	Ala
				200					205					210
Ser	Ala	Ala	Ala	Glu	Asp	Thr	Cys	Asp	Val	Gly	Val	Ser	Ser	Asp

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	215		220		225
Asp Asp Lys Gly	Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala	Ser		
	230		235		240
Leu Lys Glu Glu	Glu Cys Lys Glu Pro	Leu Leu Phe His Ser	Gly		
	245		250		255
Asp His Tyr Pro	Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu	Thr		
	260		265		270
Thr Tyr Pro Gln	Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu	Glu		
	275		280		285
Val Lys Pro Ala	Glu Ser Leu Leu Arg	Ser Glu Tyr His Met	Glu		
	290		295		300
Trp Thr Trp Gly	Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys	Arg		
	305		310		315
Glu Arg Ser Asp	His His Pro Arg Thr	Ala Thr Ile Thr Pro	Ser		
	320		325		330
Glu Asn Thr His	Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu	Ile		
	335		340		345
Ser Glu Val Glu	Lys Asp Ala Ser Met	Glu Asp Thr Val Cys	Thr		
	350		355		360
Ile Val Lys Pro	Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser	Asp		
	365		370		375
Pro Thr Ser Val	Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser	Thr		
	380		385		390
Gln Ile Ser Ser	Met Leu Asp Ala Asp	His Leu Pro Asn Ala	Ala		
	395		400		405
Leu Ala Glu Ala	Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val	Asp		
	410		415		420
Ser Pro Ser Lys	Lys Lys Gly Val His	Lys Arg Ile Gln His	Gln		
	425		430		435
Gly Pro Asp Asp	Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu	Pro		
	440		445		450
Glu Val Ala Ala	Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro	Gly		
	455		460		465
Ser Arg Gln Trp	Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln	Ser		
	470		475		480
Pro Gln Ser Val	Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu	Cys		
	485		490		495
Leu Ser Asp Ser	Ala Met Asp Leu Pro	Asp Val Thr Leu Ser	Leu		
	500		505		510
Cys Gly Gly Leu	Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys	Phe		
	515		520		525
Met Glu His Ile	Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro	Gly		
	530		535		540
Leu Ile Asp Asn	Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg	Tyr		
	545		550		555
Tyr Asn Trp Ala	Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln	Val		
	560		565		570
Phe Gln Lys Ser	Leu Pro Lys Ala Thr	Val Glu Ser Trp Val	Lys		
	575		580		585
Asp Lys Met Pro	Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg	Lys		
	590		595		600
Arg Glu Ser Met	Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly	Lys		
	605		610		615
Ser Glu Ala Pro	Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys	Glu		
	620		625		630
Pro Ala Gly Ala	Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp	Glu		
	635		640		645
Gly Ser Gln Glu	Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile	Pro		
	650		655		660
Thr Glu Pro Leu	Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys	Ser		
	665		670		675
Leu Arg Leu Ser	Ser Asp Gln Ile Ala	Lys Leu Lys Leu His	Asp		
	680		685		690

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Gly	Pro	Asn	Asp	Val	Val	Phe	Ser	Ile	Thr	Thr	Gln	Tyr	Gln	Gly
				695					700					705
Thr	Cys	Arg	Cys	Ala	Gly	Thr	Ile	Tyr	Leu	Trp	Asn	Trp	Asn	Asp
				710					715					720
Lys	Ile	Ile	Ile	Ser	Asp	Ile	Asp	Gly	Thr	Ile	Thr	Lys	Ser	Asp
				725					730					735
Ala	Leu	Gly	Gln	Ile	Leu	Pro	Gln	Leu	Gly	Lys	Asp	Trp	Thr	His
				740					745					750
Gln	Gly	Ile	Ala	Lys	Leu	Tyr	His	Ser	Ile	Asn	Glu	Asn	Gly	Tyr
				755					760					765
Lys	Phe	Leu	Tyr	Cys	Ser	Ala	Arg	Ala	Ile	Gly	Met	Ala	Asp	Met
				770					775					780
Thr	Arg	Gly	Tyr	Leu	His	Trp	Val	Asn	Asp	Lys	Gly	Thr	Ile	Leu
				785					790					795
Pro	Arg	Gly	Pro	Leu	Met	Leu	Ser	Pro	Ser	Ser	Leu	Phe	Ser	Ala
				800					805					810
Phe	His	Arg	Glu	Val	Ile	Glu	Lys	Lys	Pro	Glu	Lys	Phe	Lys	Ile
				815					820					825
Glu	Cys	Leu	Asn	Asp	Ile	Lys	Asn	Leu	Phe	Ala	Pro	Ser	Lys	Gln
				830					835					840
Pro	Phe	Tyr	Ala	Ala	Phe	Gly	Asn	Arg	Pro	Asn	Asp	Val	Tyr	Ala
				845					850					855
Tyr	Thr	Gln	Val	Gly	Val	Pro	Asp	Cys	Arg	Ile	Phe	Thr	Val	Asn
				860					865					870
Pro	Lys	Gly	Glu	Leu	Ile	Gln	Glu	Arg	Thr	Lys	Gly	Asn	Lys	Ser
				875					880					885
Ser	Tyr	His	Arg	Leu	Ser	Glu	Leu	Val	Glu	His	Val	Phe	Pro	Leu
				890					895					900
Leu	Ser	Lys	Glu	Gln	Asn	Ser	Ala	Phe	Pro	Cys	Pro	Glu	Phe	Ser
				905					910					915
Ser	Phe	Cys	Tyr	Trp	Arg	Asp	Pro	Ile	Pro	Glu	Val	Asp	Leu	Asp
				920					925					930

Asp Leu Ser

<210> 32

<211> 268

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CD1

<400> 32

Met	Leu	Gly	Asp	His	Cys	Ser	Leu	Pro	Glu	Asp	Gln	Ala	Arg	Pro
1				5					10					15
Gly	Gln	Ser	Leu	Gln	Ser	Gly	Leu	Cys	Cys	Lys	Met	Val	Leu	Gln
				20					25					30
Ala	Val	Ser	Lys	Val	Leu	Arg	Lys	Ser	Lys	Ala	Lys	Pro	Asn	Gly
				35					40					45
Lys	Lys	Pro	Ala	Ala	Glu	Glu	Arg	Lys	Ala	Tyr	Leu	Glu	Pro	Glu
				50					55					60
His	Thr	Lys	Ala	Arg	Ile	Thr	Asp	Phe	Gln	Phe	Lys	Glu	Leu	Val
				65					70					75
Val	Leu	Pro	Arg	Glu	Ile	Asp	Leu	Asn	Glu	Trp	Leu	Ala	Ser	Asn
				80					85					90
Thr	Thr	Thr	Phe	Phe	His	His	Ile	Asn	Leu	Gln	Tyr	Ser	Thr	Ile
				95					100					105
Ser	Glu	Phe	Cys	Thr	Gly	Glu	Thr	Cys	Gln	Thr	Met	Ala	Val	Cys
				110					115					120
Asn	Thr	Gln	Tyr	Tyr	Trp	Tyr	Asp	Glu	Arg	Gly	Lys	Lys	Val	Lys
				125					130					135
Cys	Thr	Ala	Pro	Gln	Tyr	Val	Asp	Phe	Val	Met	Ser	Ser	Val	Gln

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	140		145		150
Lys Leu Val Thr	Asp Glu Asp Val Phe	Pro Thr Lys Tyr Gly	Arg		
	155		160		165
Glu Phe Pro Ser	Ser Phe Glu Ser Leu	Val Arg Lys Ile Cys	Arg		
	170		175		180
His Leu Phe His	Val Leu Ala His Ile	Tyr Trp Ala His Phe	Lys		
	185		190		195
Glu Thr Leu Ala	Leu Glu Leu His Gly	His Leu Asn Thr Leu	Tyr		
	200		205		210
Val His Phe Ile	Leu Phe Ala Arg Glu	Phe Asn Leu Leu Asp	Pro		
	215		220		225
Lys Glu Thr Ala	Ile Met Asp Asp Leu	Thr Glu Val Leu Cys	Ser		
	230		235		240
Gly Ala Gly Gly	Val His Ser Gly Gly	Ser Gly Asp Gly Ala	Gly		
	245		250		255
Ser Gly Gly Pro	Gly Ala Gln Asn His	Val Lys Glu Arg			
	260		265		

<210> 33'

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806454CD1

<400> 33

Met Leu Leu Gly Leu	Ala Ala Met Glu Leu	Lys Val Trp Val Asp	
1	5	10	15
Gly Ile Gln Arg Val	Val Cys Gly Val Ser	Glu Gln Thr Thr Cys	
	20	25	30
Gln Glu Val Val Ile	Ala Leu Ala Gln Ala	Ile Gly Gln Thr Gly	
	35	40	45
Arg Phe Val Leu Val	Gln Arg Leu Arg Glu	Lys Glu Arg Gln Leu	
	50	55	60
Leu Pro Gln Glu Cys	Pro Val Gly Ala Gln	Ala Thr Cys Gly Gln	
	65	70	75
Phe Ala Ser Asp Val	Gln Phe Val Leu Arg	Arg Thr Gly Pro Ser	
	80	85	90
Leu Ala Gly Arg Pro	Ser Ser Asp Ser Cys	Pro Pro Pro Glu Arg	
	95	100	105
Cys Leu Ile Arg Ala	Ser Leu Pro Val Lys	Pro Arg Ala Ala Leu	
	110	115	120
Gly Cys Glu Pro Arg	Lys Thr Leu Thr Pro	Glu Pro Ala Pro Ser	
	125	130	135
Leu Ser Arg Pro Gly	Pro Ala Ala Pro Val	Thr Pro Thr Pro Gly	
	140	145	150
Cys Cys Thr Asp Leu	Arg Gly Leu Glu Leu	Arg Val Gln Arg Asn	
	155	160	165
Ala Glu Glu Leu Gly	His Glu Ala Phe Trp	Glu Gln Glu Leu Arg	
	170	175	180
Arg Glu Gln Ala Arg	Glu Arg Glu Gly Gln	Ala Arg Leu Gln Ala	
	185	190	195
Leu Ser Ala Ala Thr	Ala Glu His Ala Ala	Arg Leu Gln Ala Leu	
	200	205	210
Asp Ala Gln Ala Arg	Ala Leu Glu Ala Glu	Leu Gln Leu Ala Ala	
	215	220	225
Glu Ala Pro Gly Pro	Pro Ser Pro Met Ala	Ser Ala Thr Glu Arg	
	230	235	240
Leu His Gln Asp Leu	Ala Val Gln Glu Arg	Gln Ser Ala Glu Val	
	245	250	255
Gln Gly Ser Leu Ala	Leu Val Ser Arg Ala	Leu Glu Ala Ala Glu	
	260	265	270

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Arg	Ala	Leu	Gln	Ala	Gln	Ala	Gln	Glu	Leu	Glu	Glu	Leu	Asn	Arg
				275					280					285
Glu	Leu	Arg	Gln	Cys	Asn	Leu	Gln	Gln	Phe	Ile	Gln	Gln	Thr	Gly
				290					295					300
Ala	Ala	Leu	Pro	Pro	Pro	Pro	Arg	Pro	Asp	Arg	Gly	Pro	Pro	Gly
				305					310					315
Thr	Gln	Val	Gly	Val	Val	Leu	Gly	Gly	Gly	Trp	Glu	Val	Arg	Thr
				320					325					330
Trp	Pro	Ser	Pro	Thr	Pro	Ser								
				335										

<210> 34

<211> 565

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806850CD1

<400> 34

Met	Lys	Glu	Glu	Glu	Glu	Val	Phe	Gln	Pro	Met	Leu	Met	Glu	Tyr
1				5					10					15
Phe	Thr	Tyr	Glu	Glu	Leu	Lys	Tyr	Ile	Lys	Lys	Lys	Val	Ile	Ala
				20					25					30
Gln	His	Cys	Ser	Gln	Lys	Asp	Thr	Ala	Glu	Leu	Leu	Arg	Gly	Leu
				35					40					45
Ser	Leu	Trp	Asn	His	Ala	Glu	Glu	Arg	Gln	Lys	Phe	Phe	Lys	Tyr
				50					55					60
Ser	Val	Asp	Glu	Lys	Ser	Asp	Lys	Glu	Ala	Glu	Val	Ser	Glu	His
				65					70					75
Ser	Thr	Gly	Ile	Thr	His	Leu	Pro	Pro	Glu	Val	Met	Leu	Ser	Ile
				80					85					90
Phe	Ser	Tyr	Leu	Asn	Pro	Gln	Glu	Leu	Cys	Arg	Cys	Ser	Gln	Val
				95					100					105
Ser	Met	Lys	Trp	Ser	Gln	Leu	Thr	Lys	Thr	Gly	Ser	Leu	Trp	Lys
				110					115					120
His	Leu	Tyr	Pro	Val	His	Trp	Ala	Arg	Gly	Asp	Trp	Tyr	Ser	Gly
				125					130					135
Pro	Ala	Thr	Glu	Leu	Asp	Thr	Glu	Pro	Asp	Asp	Glu	Trp	Val	Lys
				140					145					150
Asn	Arg	Lys	Asp	Glu	Ser	Arg	Ala	Phe	His	Glu	Trp	Asp	Glu	Asp
				155					160					165
Ala	Asp	Ile	Asp	Glu	Ser	Glu	Glu	Ser	Ala	Glu	Glu	Ser	Ile	Ala
				170					175					180
Ile	Ser	Ile	Ala	Gln	Met	Glu	Lys	Arg	Leu	Leu	His	Gly	Leu	Ile
				185					190					195
His	Asn	Val	Leu	Pro	Tyr	Val	Gly	Thr	Ser	Val	Lys	Thr	Leu	Val
				200					205					210
Leu	Ala	Tyr	Ser	Ser	Ala	Val	Ser	Ser	Lys	Met	Val	Arg	Gln	Ile
				215					220					225
Leu	Glu	Leu	Cys	Pro	Asn	Leu	Glu	His	Leu	Asp	Leu	Thr	Gln	Thr
				230					235					240
Asp	Ile	Ser	Asp	Ser	Ala	Phe	Asp	Ser	Trp	Ser	Trp	Leu	Gly	Cys
				245					250					255
Cys	Gln	Ser	Leu	Arg	His	Leu	Asp	Leu	Ser	Gly	Cys	Glu	Lys	Ile
				260					265					270
Thr	Asp	Val	Ala	Leu	Glu	Lys	Ile	Ser	Arg	Ala	Leu	Gly	Ile	Leu
				275					280					285
Thr	Ser	His	Gln	Ser	Gly	Phe	Leu	Lys	Thr	Ser	Thr	Ser	Lys	Ile
				290					295					300
Thr	Ser	Thr	Ala	Trp	Lys	Asn	Lys	Asp	Ile	Thr	Met	Gln	Ser	Thr
				305					310					315
Lys	Gln	Tyr	Ala	Cys	Leu	His	Asp	Leu	Thr	Asn	Lys	Gly	Ile	Gly

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Glu Glu Ile Asp	320	Asn Glu His Pro Trp	325	Thr Lys Pro Val Ser	330
	335		340		345
Glu Asn Phe Thr	350	Ser Pro Tyr Val Trp	355	Met Leu Asp Ala Glu	360
	365		370		375
Leu Ala Asp Ile	380	Glu Asp Thr Val Glu	385	Trp Arg His Arg Asn	390
	395		400		405
Glu Ser Leu Cys	410	Val Met Glu Thr Ala	415	Ser Asn Phe Ser Cys	420
	425		430		435
Thr Ser Gly Cys	440	Phe Ser Lys Asp Ile	445	Val Gly Leu Arg Thr	450
	455		460		465
Val Cys Trp Gln	470	Gln His Cys Ala Ser	475	Pro Ala Phe Ala Tyr	480
	485		490		495
Gly His Ser Phe	500	Cys Cys Thr Gly Thr	505	Ala Leu Arg Thr Met	510
	515		520		525
Ser Leu Pro Glu	530	Ser Ser Ala Met Cys	535	Arg Lys Ala Ala Arg	540
	545		550		555
Arg Leu Pro Arg	560	Gly Lys Asp Leu Ile	565	Tyr Phe Gly Ser Glu	
Ser Asp Gln Glu		Thr Gly Arg Val Leu		Leu Phe Leu Ser Leu	
Gly Cys Tyr Gln		Ile Thr Asp His Gly		Leu Arg Val Leu Thr	
Gly Gly Gly Leu		Pro Tyr Leu Glu His		Leu Asn Leu Ser Gly	
Leu Thr Ile Thr		Gly Ala Gly Leu Gln		Asp Leu Val Ser Ala	
Pro Ser Leu Asn		Asp Glu Tyr Phe Tyr		Tyr Cys Asp Asn Ile	
Gly Pro His Ala		Asp Thr Ala Ser Gly		Cys Gln Asn Leu Gln	
Gly Phe Arg Ala		Cys Cys Arg Ser Gly		Glu	

<210> 35

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851534CD1

<400> 35

Met Asp Phe Ser	Phe Ser Phe Met	Gln Gly Ile Met	Gly Asn Thr
1	5	10	15
Ile Gln Gln Pro	Pro Gln Leu Ile	Asp Ser Ala Asn	Ile Arg Gln
	20	25	30
Glu Asp Ala Phe	Asp Asn Asn Ser	Asp Ile Ala Glu	Asp Gly Gly
	35	40	45
Gln Thr Pro Tyr	Glu Ala Thr Leu	Gln Gln Gly Phe	Gln Tyr Pro
	50	55	60
Ala Thr Thr Glu	Asp Leu Pro Pro	Leu Thr Asn Gly	Tyr Pro Ser
	65	70	75
Ser Ile Ser Val	Tyr Glu Thr Gln	Thr Lys Tyr Gln	Ser Tyr Asn
	80	85	90
Gln Tyr Pro Asn	Gly Ser Ala Asn	Gly Phe Gly Ala	Val Arg Asn
	95	100	105
Phe Ser Pro Thr	Asp Tyr Tyr His	Ser Glu Ile Pro	Asn Thr Arg
	110	115	120
Pro His Glu Ile	Leu Glu Lys Pro	Ser Pro Pro Gln	Pro Pro Pro
	125	130	135
Pro Pro Ser Val	Pro Gln Thr Val	Ile Pro Lys Lys	Thr Gly Ser
	140	145	150

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Pro	Glu	Ile	Lys	Leu	Lys	Ile	Thr	Lys	Thr	Ile	Gln	Asn	Gly	Arg
				155					160					165
Glu	Leu	Phe	Glu	Ser	Ser	Leu	Cys	Gly	Asp	Leu	Leu	Asn	Glu	Val
				170					175					180
Gln	Ala	Ser	Glu	His	Thr	Lys	Ser	Lys	His	Glu	Ser	Arg	Lys	Glu
				185					190					195
Lys	Arg	Lys	Lys	Ser	Asn	Lys	His	Asp	Ser	Ser	Arg	Ser	Glu	Glu
				200					205					210
Arg	Lys	Ser	His	Lys	Ile	Pro	Lys	Leu	Glu	Pro	Glu	Glu	Gln	Asn
				215					220					225
Met	Thr	Lys												

<210> 36

<211> 495

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1868749CD1

<400> 36

Met	Lys	Gly	Met	Lys	Val	Glu	Val	Leu	Asn	Ser	Asp	Ala	Val	Leu
1				5					10					15
Pro	Ser	Arg	Val	Tyr	Trp	Ile	Ala	Ser	Val	Ile	Gln	Thr	Ala	Gly
				20					25					30
Tyr	Arg	Val	Leu	Leu	Arg	Tyr	Glu	Gly	Phe	Glu	Asn	Asp	Ala	Ser
				35					40					45
His	Asp	Phe	Trp	Cys	Asn	Leu	Gly	Thr	Val	Asp	Val	His	Pro	Ile
				50					55					60
Gly	Trp	Cys	Ala	Ile	Asn	Ser	Lys	Ile	Leu	Val	Pro	Pro	Arg	Thr
				65					70					75
Ile	His	Ala	Lys	Phe	Thr	Asp	Trp	Lys	Gly	Tyr	Leu	Met	Lys	Arg
				80					85					90
Leu	Val	Gly	Ser	Arg	Thr	Leu	Pro	Val	Asp	Phe	His	Ile	Lys	Met
				95					100					105
Val	Glu	Ser	Met	Lys	Tyr	Pro	Phe	Arg	Gln	Gly	Met	Arg	Leu	Glu
				110					115					120
Val	Val	Asp	Lys	Ser	Gln	Val	Ser	Arg	Thr	Arg	Met	Ala	Val	Val
				125					130					135
Asp	Thr	Val	Ile	Gly	Gly	Arg	Leu	Arg	Leu	Leu	Tyr	Glu	Asp	Gly
				140					145					150
Asp	Ser	Asp	Asp	Asp	Phe	Trp	Cys	His	Met	Trp	Ser	Pro	Leu	Ile
				155					160					165
His	Pro	Val	Gly	Trp	Ser	Arg	Arg	Val	Gly	His	Gly	Ile	Lys	Met
				170					175					180
Ser	Glu	Arg	Arg	Ser	Asp	Met	Ala	His	His	Pro	Thr	Phe	Arg	Lys
				185					190					195
Ile	Tyr	Cys	Asp	Ala	Val	Pro	Tyr	Leu	Phe	Lys	Lys	Val	Arg	Ala
				200					205					210
Val	Tyr	Thr	Glu	Gly	Gly	Trp	Phe	Glu	Glu	Gly	Met	Lys	Leu	Glu
				215					220					225
Ala	Ile	Asp	Pro	Leu	Asn	Leu	Gly	Asn	Ile	Cys	Val	Ala	Thr	Val
				230					235					240
Cys	Lys	Val	Leu	Leu	Asp	Gly	Tyr	Leu	Met	Ile	Cys	Val	Asp	Gly
				245					250					255
Gly	Pro	Ser	Thr	Asp	Gly	Leu	Asp	Trp	Phe	Cys	Tyr	His	Ala	Ser
				260					265					270
Ser	His	Ala	Ile	Phe	Pro	Ala	Thr	Phe	Cys	Gln	Lys	Asn	Asp	Ile
				275					280					285
Glu	Leu	Thr	Pro	Pro	Lys	Gly	Tyr	Glu	Ala	Gln	Thr	Phe	Asn	Trp
				290					295					300
Glu	Asn	Tyr	Leu	Glu	Lys	Thr	Lys	Ser	Lys	Ala	Ala	Pro	Ser	Arg

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305	310	315
Leu Phe Asn Met Asp Cys Pro Asn His	Gly Phe Lys Val Gly Met	
320	325	330
Lys Leu Glu Ala Val Asp Leu Met Glu	Pro Arg Leu Ile Cys Val	
335	340	345
Ala Thr Val Lys Arg Val Val His Arg	Leu Leu Ser Ile His Phe	
350	355	360
Asp Gly Trp Asp Ser Glu Tyr Asp Gln	Trp Val Asp Cys Glu Ser	
365	370	375
Pro Asp Ile Tyr Pro Val Gly Trp Cys	Glu Leu Thr Gly Tyr Gln	
380	385	390
Leu Gln Pro Pro Val Ala Ala Glu Pro	Ala Thr Pro Leu Lys Ala	
395	400	405
Lys Glu Ala Thr Lys Lys Lys Lys Lys	Gln Phe Gly Lys Lys Arg	
410	415	420
Lys Arg Ile Pro Pro Thr Lys Thr Arg	Pro Leu Arg Gln Gly Ser	
425	430	435
Lys Lys Pro Leu Leu Glu Asp Asp Pro	Gln Gly Ala Arg Lys Ile	
440	445	450
Ser Ser Glu Pro Val Pro Gly Glu Ile	Ile Ala Val Arg Val Lys	
455	460	465
Glu Glu His Leu Asp Val Ala Ser Pro	Asp Lys Ala Ser Ser Pro	
470	475	480
Glu Leu Pro Val Ser Val Glu Asn Ile	Lys Gln Glu Thr Asp Asp	
485	490	495

<210> 37

<211> 1336

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1980010CD1

<400> 37

Met Val Asp Gln Leu Glu Gln Ile Leu Ser Val Ser Glu Leu Leu	
1 5 10 15	
Glu Lys His Gly Leu Glu Lys Pro Ile Ser Phe Val Lys Asn Thr	
20 25 30	
Gln Ser Ser Ser Glu Glu Ala Arg Lys Leu Met Val Arg Leu Thr	
35 40 45	
Arg His Thr Gly Arg Lys Gln Pro Pro Val Ser Glu Ser His Trp	
50 55 60	
Arg Thr Leu Leu Gln Asp Met Leu Thr Met Gln Gln Asn Val Tyr	
65 70 75	
Thr Cys Leu Asp Ser Asp Ala Cys Tyr Glu Ile Phe Thr Glu Ser	
80 85 90	
Leu Leu Cys Ser Ser Arg Leu Glu Asn Ile His Leu Ala Gly Gln	
95 100 105	
Met Met His Cys Ser Ala Cys Ser Glu Asn Pro Pro Ala Gly Ile	
110 115 120	
Ala His Lys Gly Asn Pro His Tyr Arg Val Ser Tyr Glu Lys Ser	
125 130 135	
Ile Asp Leu Val Leu Ala Ala Ser Arg Glu Tyr Phe Asn Ser Ser	
140 145 150	
Thr Asn Leu Thr Asp Ser Cys Met Asp Leu Ala Arg Cys Cys Leu	
155 160 165	
Gln Leu Ile Thr Asp Arg Pro Pro Ala Ile Gln Glu Glu Leu Asp	
170 175 180	
Leu Ile Gln Ala Val Gly Cys Leu Glu Glu Phe Gly Val Lys Ile	
185 190 195	
Leu Pro Leu Gln Val Arg Leu Cys Pro Asp Arg Ile Ser Leu Ile	

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	200		205		210
Lys Glu Cys Ile	Ser Gln Ser Pro Thr	Cys Tyr Lys Gln Ser Thr			
	215	220			225
Lys Leu Leu Gly	Leu Ala Glu Leu Leu	Arg Val Ala Gly Glu Asn			
	230	235			240
Pro Glu Glu Arg	Arg Gly Gln Val Leu	Ile Leu Leu Val Glu Gln			
	245	250			255
Ala Leu Arg Phe	His Asp Tyr Lys Ala	Ala Ser Met His Cys Gln			
	260	265			270
Glu Leu Met Ala	Thr Gly Tyr Pro Lys	Ser Trp Asp Val Cys Ser			
	275	280			285
Gln Leu Gly Gln	Ser Glu Gly Tyr Gln	Asp Leu Ala Thr Arg Gln			
	290	295			300
Glu Leu Met Ala	Phe Ala Leu Thr His	Cys Pro Pro Ser Ser Ile			
	305	310			315
Glu Leu Leu Leu	Ala Ala Ser Ser Ser	Leu Gln Thr Glu Ile Leu			
	320	325			330
Tyr Gln Arg Val	Asn Phe Gln Ile His	His Glu Gly Gly Glu Asn			
	335	340			345
Ile Ser Ala Ser	Pro Leu Thr Ser Lys	Ala Val Gln Glu Asp Glu			
	350	355			360
Val Gly Val Pro	Gly Ser Asn Ser Ala	Asp Leu Leu Arg Trp Thr			
	365	370			375
Thr Ala Thr Thr	Met Lys Val Leu Ser	Asn Thr Thr Thr Thr Thr			
	380	385			390
Lys Ala Val Leu	Gln Ala Val Ser Asp	Gly Gln Trp Trp Lys Lys			
	395	400			405
Ser Leu Thr Tyr	Leu Arg Pro Leu Gln	Gly Gln Lys Cys Gly Gly			
	410	415			420
Ala Tyr Gln Ile	Gly Thr Thr Ala Asn	Glu Asp Leu Glu Lys Gln			
	425	430			435
Gly Cys His Pro	Phe Tyr Glu Ser Val	Ile Ser Asn Pro Phe Val			
	440	445			450
Ala Glu Ser Glu	Gly Thr Tyr Asp Thr	Tyr Gln His Val Pro Val			
	455	460			465
Glu Ser Phe Ala	Glu Val Leu Leu Arg	Thr Gly Lys Leu Ala Glu			
	470	475			480
Ala Lys Asn Lys	Gly Glu Val Phe Pro	Thr Thr Glu Val Leu Leu			
	485	490			495
Gln Leu Ala Ser	Glu Ala Leu Pro Asn	Asp Met Thr Leu Ala Leu			
	500	505			510
Ala Tyr Leu Leu	Ala Leu Pro Gln Val	Leu Asp Ala Asn Arg Cys			
	515	520			525
Phe Glu Lys Gln	Ser Pro Ser Ala Leu	Ser Leu Gln Leu Ala Ala			
	530	535			540
Tyr Tyr Tyr Ser	Leu Gln Ile Tyr Ala	Arg Leu Ala Pro Cys Phe			
	545	550			555
Arg Asp Lys Cys	His Pro Leu Tyr Arg	Ala Asp Pro Lys Glu Leu			
	560	565			570
Ile Lys Met Val	Thr Arg His Val Thr	Arg His Glu His Glu Ala			
	575	580			585
Trp Pro Glu Asp	Leu Ile Ser Leu Thr	Lys Gln Leu His Cys Tyr			
	590	595			600
Asn Glu Arg Leu	Leu Asp Phe Thr Gln	Ala Gln Ile Leu Gln Gly			
	605	610			615
Leu Arg Lys Gly	Val Asp Val Gln Arg	Phe Thr Ala Asp Asp Gln			
	620	625			630
Tyr Lys Arg Glu	Thr Ile Leu Gly Leu	Ala Glu Thr Leu Glu Glu			
	635	640			645
Ser Val Tyr Ser	Ile Ala Ile Ser Leu	Ala Gln Arg Tyr Ser Val			
	650	655			660
Ser Arg Trp Glu	Val Phe Met Thr His	Leu Glu Phe Leu Phe Thr			
	665	670			675

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Asp	Ser	Gly	Leu	Ser	Thr	Leu	Glu	Ile	Glu	Asn	Arg	Ala	Gln	Asp
				680					685					690
Leu	His	Leu	Phe	Glu	Thr	Leu	Lys	Thr	Asp	Pro	Glu	Ala	Phe	His
				695					700					705
Gln	His	Met	Val	Lys	Tyr	Ile	Tyr	Pro	Thr	Ile	Gly	Gly	Phe	Asp
				710					715					720
His	Glu	Arg	Leu	Gln	Tyr	Tyr	Phe	Thr	Leu	Leu	Glu	Asn	Cys	Gly
				725					730					735
Cys	Ala	Asp	Leu	Gly	Asn	Cys	Ala	Ile	Lys	Pro	Glu	Thr	His	Ile
				740					745					750
Arg	Leu	Leu	Lys	Lys	Phe	Lys	Val	Val	Ala	Ser	Gly	Leu	Asn	Tyr
				755					760					765
Lys	Lys	Leu	Thr	Asp	Glu	Asn	Met	Ser	Pro	Leu	Glu	Ala	Leu	Glu
				770					775					780
Pro	Val	Leu	Ser	Ser	Gln	Asn	Ile	Leu	Ser	Ile	Ser	Lys	Leu	Val
				785					790					795
Pro	Lys	Ile	Pro	Glu	Lys	Asp	Gly	Gln	Met	Leu	Ser	Pro	Ser	Ser
				800					805					810
Leu	Tyr	Thr	Ile	Trp	Leu	Gln	Lys	Leu	Phe	Trp	Thr	Gly	Asp	Pro
				815					820					825
His	Leu	Ile	Lys	Gln	Val	Pro	Gly	Ser	Ser	Pro	Glu	Trp	Leu	His
				830					835					840
Ala	Tyr	Asp	Val	Cys	Met	Lys	Tyr	Phe	Asp	Arg	Leu	His	Pro	Gly
				845					850					855
Asp	Leu	Ile	Thr	Val	Val	Asp	Ala	Val	Thr	Phe	Ser	Pro	Lys	Ala
				860					865					870
Val	Thr	Lys	Leu	Ser	Val	Glu	Ala	Arg	Lys	Glu	Met	Thr	Arg	Lys
				875					880					885
Ala	Ile	Lys	Thr	Val	Lys	His	Phe	Ile	Glu	Lys	Pro	Arg	Lys	Arg
				890					895					900
Asn	Ser	Glu	Asp	Glu	Ala	Gln	Glu	Ala	Lys	Asp	Ser	Lys	Val	Thr
				905					910					915
Tyr	Ala	Asp	Thr	Leu	Asn	His	Leu	Glu	Lys	Ser	Leu	Ala	His	Leu
				920					925					930
Glu	Thr	Leu	Ser	His	Ser	Phe	Ile	Leu	Ser	Leu	Lys	Asn	Ser	Glu
				935					940					945
Gln	Glu	Thr	Leu	Gln	Lys	Tyr	Ser	His	Leu	Tyr	Asp	Leu	Ser	Arg
				950					955					960
Ser	Glu	Lys	Glu	Lys	Leu	His	Asp	Glu	Ala	Val	Ala	Ile	Cys	Leu
				965					970					975
Asp	Gly	Gln	Pro	Leu	Ala	Met	Ile	Gln	Gln	Leu	Leu	Glu	Val	Ala
				980					985					990
Val	Gly	Pro	Leu	Asp	Ile	Ser	Pro	Lys	Asp	Ile	Val	Gln	Ser	Ala
				995					1000					1005
Ile	Met	Lys	Ile	Ile	Ser	Ala	Leu	Ser	Gly	Gly	Ser	Ala	Asp	Leu
				1010					1015					1020
Gly	Gly	Pro	Arg	Asp	Pro	Leu	Lys	Val	Leu	Glu	Gly	Val	Val	Ala
				1025					1030					1035
Ala	Val	His	Ala	Ser	Val	Asp	Lys	Gly	Glu	Glu	Leu	Val	Ser	Pro
				1040					1045					1050
Glu	Asp	Leu	Leu	Glu	Trp	Leu	Arg	Pro	Phe	Cys	Ala	Asp	Asp	Ala
				1055					1060					1065
Trp	Pro	Val	Arg	Pro	Arg	Ile	His	Val	Leu	Gln	Ile	Leu	Gly	Gln
				1070					1075					1080
Ser	Phe	His	Leu	Thr	Glu	Glu	Asp	Ser	Lys	Leu	Leu	Val	Phe	Phe
				1085					1090					1095
Arg	Thr	Glu	Ala	Ile	Leu	Lys	Ala	Ser	Trp	Pro	Gln	Arg	Gln	Val
				1100					1105					1110
Asp	Ile	Ala	Asp	Ile	Glu	Asn	Glu	Glu	Asn	Arg	Tyr	Cys	Leu	Phe
				1115					1120					1125
Met	Glu	Leu	Leu	Glu	Ser	Ser	His	His	Glu	Ala	Glu	Phe	Gln	His
				1130					1135					1140
Leu	Val	Leu	Leu	Leu	Gln	Ala	Trp	Pro	Pro	Met	Lys	Ser	Glu	Tyr

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1145	1150	1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu		
1160	1165	1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val		
1175	1180	1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro		
1190	1195	1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Leu Asn Gln Ser		
1205	1210	1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu		
1220	1225	1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr		
1235	1240	1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu Leu		
1250	1255	1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro		
1265	1270	1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp		
1280	1285	1290
Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu		
1295	1300	1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln		
1310	1315	1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp		
1325	1330	1335
Val		

<210> 38

<211> 934

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2259032CD1

<400> 38

Met Phe Trp Lys Phe Asp Leu Asn Thr Thr Ser His Val Asp Lys		
1 5 10		15
Leu Leu Asp Lys Glu His Val Thr Leu Gln Glu Leu Met Asp Glu		
20 25		30
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu		
35 40		45
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu		
50 55		60
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe		
65 70		75
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro		
80 85		90
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu		
95 100		105
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu		
110 115		120
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys		
125 130		135
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile		
140 145		150
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu		
155 160		165
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln		
170 175		180
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu		
185 190		195

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Val	Glu	Leu	Ile	His	Pro	Ser	Gln	Asp	Glu	Asp	Arg	Gln	Ser	Asn
				200					205					210
Ala	Ser	Gln	Thr	Leu	Cys	Asp	Ile	Val	Arg	Leu	Gly	Arg	Asp	Gln
				215					220					225
Gly	Ser	Gln	Leu	Gln	Glu	Ala	Leu	Glu	Pro	Asp	Pro	Leu	Leu	Thr
				230					235					240
Ala	Leu	Glu	Ser	Arg	Gln	Asp	Cys	Val	Glu	Gln	Leu	Leu	Lys	Asn
				245					250					255
Met	Phe	Asp	Gly	Asp	Arg	Thr	Glu	Ser	Cys	Leu	Val	Ser	Gly	Thr
				260					265					270
Gln	Val	Leu	Leu	Thr	Leu	Leu	Glu	Thr	Arg	Arg	Val	Gly	Thr	Glu
				275					280					285
Gly	Leu	Val	Asp	Ser	Phe	Ser	Gln	Gly	Leu	Glu	Arg	Ser	Tyr	Ala
				290					295					300
Val	Ser	Ser	Ser	Val	Leu	His	Gly	Ile	Glu	Pro	Arg	Leu	Lys	Asp
				305					310					315
Phe	His	Gln	Leu	Leu	Leu	Asn	Pro	Pro	Lys	Lys	Lys	Ala	Ile	Leu
				320					325					330
Thr	Thr	Ile	Gly	Val	Leu	Glu	Glu	Pro	Leu	Gly	Asn	Ala	Arg	Leu
				335					340					345
His	Gly	Ala	Arg	Leu	Met	Ala	Ala	Leu	Leu	His	Thr	Asn	Thr	Pro
				350					355					360
Ser	Ile	Asn	Gln	Glu	Leu	Cys	Arg	Leu	Asn	Thr	Met	Asp	Leu	Leu
				365					370					375
Leu	Asp	Leu	Phe	Phe	Lys	Tyr	Thr	Trp	Asn	Asn	Phe	Leu	His	Phe
				380					385					390
Gln	Val	Glu	Leu	Cys	Ile	Ala	Ala	Ile	Leu	Ser	His	Ala	Ala	Arg
				395					400					405
Glu	Glu	Arg	Thr	Glu	Ala	Ser	Gly	Ser	Glu	Ser	Arg	Val	Glu	Pro
				410					415					420
Pro	His	Glu	Asn	Gly	Asn	Arg	Ser	Leu	Glu	Thr	Pro	Gln	Pro	Ala
				425					430					435
Ala	Ser	Leu	Pro	Asp	Asn	Thr	Met	Val	Thr	His	Leu	Phe	Gln	Lys
				440					445					450
Cys	Cys	Leu	Val	Gln	Arg	Ile	Leu	Glu	Ala	Trp	Glu	Ala	Asn	Asp
				455					460					465
His	Thr	Gln	Ala	Ala	Gly	Gly	Met	Arg	Arg	Gly	Asn	Met	Gly	His
				470					475					480
Leu	Thr	Arg	Ile	Ala	Asn	Ala	Val	Val	Gln	Asn	Leu	Glu	Arg	Gly
				485					490					495
Pro	Val	Gln	Thr	His	Ile	Ser	Glu	Val	Ile	Arg	Gly	Leu	Pro	Ala
				500					505					510
Asp	Cys	Arg	Gly	Arg	Trp	Glu	Ser	Phe	Val	Glu	Glu	Thr	Leu	Thr
				515					520					525
Glu	Thr	Asn	Arg	Arg	Asn	Thr	Val	Asp	Leu	Ala	Phe	Ser	Asp	Tyr
				530					535					540
Gln	Ile	Gln	Gln	Met	Thr	Ala	Asn	Phe	Val	Asp	Gln	Phe	Gly	Phe
				545					550					555
Asn	Asp	Glu	Glu	Phe	Ala	Asp	Gln	Asp	Asp	Asn	Ile	Asn	Ala	Pro
				560					565					570
Phe	Asp	Arg	Ile	Ala	Glu	Ile	Asn	Phe	Asn	Ile	Asp	Ala	Asp	Glu
				575					580					585
Asp	Ser	Pro	Ser	Ala	Ala	Leu	Phe	Glu	Ala	Cys	Cys	Ser	Asp	Arg
				590					595					600
Ile	Gln	Pro	Phe	Asp	Asp	Asp	Glu	Asp	Glu	Asp	Ile	Trp	Glu	Asp
				605					610					615
Ser	Asp	Thr	Arg	Cys	Ala	Ala	Arg	Val	Met	Ala	Arg	Pro	Arg	Phe
				620					625					630
Gly	Ala	Pro	His	Ala	Ser	Glu	Ser	Cys	Ser	Lys	Asn	Gly	Pro	Glu
				635					640					645
Arg	Gly	Gly	Gln	Asp	Gly	Lys	Ala	Ser	Leu	Glu	Ala	His	Arg	Asp
				650					655					660
Ala	Pro	Gly	Ala	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Lys	Lys	Glu	Ala

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Pro	Pro	Val	Glu	665	Gly	Asp	Ser	Glu	Ala	670	Gly	Ala	Met	Trp	Thr	Ala	675
Val	Phe	Asp	Glu	680	Pro	Ala	Asn	Ser	Thr	685	Pro	Thr	Ala	Pro	Gly	Val	690
Val	Arg	Asp	Val	695	Gly	Ser	Ser	Val	Trp	700	Ala	Ala	Gly	Thr	Ser	Ala	705
Pro	Glu	Glu	Lys	710	Gly	Trp	Ala	Lys	Phe	715	Thr	Asp	Phe	Gln	Pro	Phe	720
Cys	Cys	Ser	Glu	725	Ser	Gly	Pro	Arg	Cys	730	Ser	Ser	Pro	Val	Asp	Thr	735
Glu	Cys	Ser	His	740	Ala	Glu	Gly	Ser	Arg	745	Ser	Gln	Gly	Pro	Glu	Lys	750
Ala	Phe	Ser	Pro	755	Ala	Ser	Pro	Cys	Ala	760	Trp	Asn	Val	Cys	Val	Thr	765
Arg	Lys	Ala	Pro	770	Leu	Leu	Ala	Ser	Asp	775	Ser	Ser	Ser	Ser	Gly	Gly	780
Ser	His	Ser	Glu	785	Asp	Gly	Asp	Gln	Lys	790	Ala	Ala	Ser	Ala	Met	Asp	795
Ala	Val	Ser	Arg	800	Gly	Pro	Gly	Arg	Glu	805	Ala	Pro	Pro	Leu	Pro	Thr	810
Val	Ala	Arg	Thr	815	Glu	Glu	Ala	Val	Gly	820	Arg	Val	Gly	Cys	Ala	Asp	825
Ser	Arg	Leu	Leu	830	Ser	Pro	Ala	Cys	Pro	835	Ala	Pro	Lys	Glu	Val	Thr	840
Ala	Ala	Pro	Ala	845	Val	Ala	Val	Pro	Pro	850	Glu	Ala	Thr	Val	Ala	Ile	855
Thr	Thr	Ala	Leu	860	Ser	Lys	Ala	Gly	Pro	865	Ala	Ile	Pro	Thr	Pro	Ala	870
Val	Ser	Ser	Ala	875	Leu	Ala	Val	Ala	Val	880	Pro	Leu	Gly	Pro	Ile	Met	885
Ala	Val	Thr	Ala	890	Ala	Pro	Ala	Met	Val	895	Ala	Thr	Leu	Gly	Thr	Val	900
Thr	Lys	Asp	Gly	905	Lys	Thr	Asp	Ala	Pro	910	Pro	Glu	Gly	Ala	Ala	Leu	915
Asn	Gly	Pro	Val	920						925							930

<210> 39

<211> 515

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2359526CD1

<400> 39

Met	Ala	Ala	Asn	Met	Tyr	Arg	Val	Gly	Asp	Tyr	Val	Tyr	Phe	Glu			
1				5					10					15			
Asn	Ser	Ser	Ser	Asn	Pro	Tyr	Leu	Ile	Arg	Arg	Ile	Glu	Glu	Leu			
				20					25					30			
Asn	Lys	Thr	Ala	Ser	Gly	Asn	Val	Glu	Ala	Lys	Val	Val	Cys	Phe			
				35					40					45			
Tyr	Arg	Arg	Arg	Asp	Ile	Ser	Asn	Thr	Leu	Ile	Met	Leu	Ala	Asp			
				50					55					60			
Lys	His	Ala	Lys	Glu	Ile	Glu	Glu	Glu	Ser	Glu	Thr	Thr	Val	Glu			
				65					70					75			
Ala	Asp	Leu	Thr	Asp	Lys	Gln	Lys	His	Gln	Leu	Lys	His	Arg	Glu			
				80					85					90			
Leu	Phe	Leu	Ser	Arg	Gln	Tyr	Glu	Ser	Leu	Pro	Ala	Thr	His	Ile			
				95					100					105			
Arg	Gly	Lys	Cys	Ser	Val	Ala	Leu	Leu	Asn	Glu	Thr	Glu	Ser	Val			
				110					115					120			

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Leu Ser Tyr Leu Asp	Lys Glu Asp Thr	Phe Phe Tyr Ser Leu Val	125	130	135
Tyr Asp Pro Ser Leu	Lys Thr Leu Leu	Ala Asp Lys Gly Glu Ile	140	145	150
Arg Val Gly Pro Arg	Tyr Gln Ala Asp	Ile Pro Glu Met Leu Leu	155	160	165
Glu Gly Glu Ser Asp	Glu Arg Glu Gln	Ser Lys Leu Glu Val Lys	170	175	180
Val Trp Asp Pro Asn	Ser Pro Leu Thr	Asp Arg Gln Ile Asp Gln	185	190	195
Phe Leu Val Val Ala	Arg Ala Val Gly	Thr Phe Ala Arg Ala Leu	200	205	210
Asp Cys Ser Ser Ser	Val Arg Gln Pro	Ser Leu His Met Ser Ala	215	220	225
Ala Ala Ala Ser Arg	Asp Ile Thr Leu	Phe His Ala Met Asp Thr	230	235	240
Leu Tyr Arg His Ser	Tyr Asp Leu Ser	Ser Ala Ile Ser Val Leu	245	250	255
Val Pro Leu Gly Gly	Pro Val Leu Cys	Arg Asp Glu Met Glu Glu	260	265	270
Trp Ser Ala Ser Glu	Ala Ser Leu Phe	Glu Glu Ala Leu Glu Lys	275	280	285
Tyr Gly Lys Asp Phe	Asn Asp Ile Arg	Gln Asp Phe Leu Pro Trp	290	295	300
Lys Ser Leu Thr Ser	Ile Ile Glu Tyr	Tyr Tyr Met Trp Lys Thr	305	310	315
Thr Asp Arg Tyr Val	Gln Gln Lys Arg	Leu Lys Ala Ala Glu Ala	320	325	330
Glu Ser Lys Leu Lys	Gln Val Tyr Ile	Pro Thr Tyr Ser Lys Pro	335	340	345
Asn Pro Asn Gln Ile	Ser Thr Ser Asn	Gly Lys Pro Gly Ala Val	350	355	360
Asn Gly Ala Val Gly	Thr Thr Phe Gln	Pro Gln Asn Pro Leu Leu	365	370	375
Gly Arg Ala Cys Glu	Ser Cys Tyr Ala	Thr Gln Ser His Gln Trp	380	385	390
Tyr Ser Trp Gly Pro	Pro Asn Met Gln	Cys Arg Leu Cys Ala Ile	395	400	405
Cys Trp Leu Tyr Trp	Lys Lys Tyr Gly	Gly Leu Lys Met Pro Thr	410	415	420
Gln Ser Glu Glu Glu	Lys Leu Ser Pro	Ser Pro Thr Thr Glu Asp	425	430	435
Pro Arg Val Arg Ser	His Val Ser Arg	Gln Ala Met Gln Gly Met	440	445	450
Pro Val Arg Asn Thr	Gly Ser Pro Lys	Ser Ala Val Lys Thr Arg	455	460	465
Gln Ala Phe Phe Leu	His Thr Thr Tyr	Phe Thr Lys Phe Ala Arg	470	475	480
Gln Val Cys Lys Asn	Thr Leu Arg Leu	Arg Gln Ala Ala Arg Arg	485	490	495
Pro Phe Val Ala Ile	Asn Tyr Ala Ala	Ile Arg Ala Glu Cys Lys	500	505	510
Met Leu Leu Asn Ser			515		

<210> 40

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2456494CD1

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<400> 40

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Met Val Asp Glu Leu Val Leu Leu Leu His Ala Leu Leu Met Arg
 1          5          10          15
His Arg Ala Leu Ser Ile Glu Asn Ser Gln Leu Met Glu Gln Leu
          20          25          30
Arg Leu Leu Val Cys Glu Arg Ala Ser Leu Leu Arg Gln Val Arg
          35          40          45
Pro Pro Ser Cys Pro Val Pro Phe Pro Glu Thr Phe Asn Gly Glu
          50          55          60
Ser Ser Arg Leu Pro Glu Phe Ile Val Gln Thr Ala Ser Tyr Met
          65          70          75
Leu Val Asn Glu Asn Arg Phe Cys Asn Asp Ala Met Lys Val Ala
          80          85          90
Phe Leu Ile Ser Leu Leu Thr Gly Glu Ala Glu Glu Trp Val Val
          95          100         105
Pro Tyr Ile Glu Met Asp Ser Pro Ile Leu Gly Asp Tyr Arg Ala
          110         115         120
Phe Leu Asp Glu Met Lys Gln Cys Phe Gly Trp Asp Asp Asp Glu
          125         130         135
Asp Asp Asp Asp Glu Glu Glu Glu Asp Asp Tyr
          140         145

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<210> 41

<211> 580

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2668536CD1

<400> 41

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Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala
 1          5          10          15
Asn Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp
          20          25          30
Leu Ala His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr
          35          40          45
Glu Ala Arg Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val
          50          55          60
Gly Thr Arg Leu Gly Leu His Tyr Asp Thr Leu Ala Thr Gly Ile
          65          70          75
Ile Tyr Phe His Arg Phe Tyr Met Phe His Ser Phe Lys Gln Phe
          80          85          90
Pro Arg Tyr Val Thr Gly Ala Cys Cys Leu Phe Leu Ala Gly Lys
          95          100         105
Val Glu Glu Thr Pro Lys Lys Cys Lys Asp Ile Ile Lys Thr Ala
          110         115         120
Arg Ser Leu Leu Asn Asp Val Gln Phe Gly Gln Phe Gly Asp Asp
          125         130         135
Pro Lys Glu Glu Val Met Val Leu Glu Arg Ile Leu Leu Gln Thr
          140         145         150
Ile Lys Phe Asp Leu Gln Val Glu His Pro Tyr Gln Phe Leu Leu
          155         160         165
Lys Tyr Ala Lys Gln Leu Lys Gly Asp Lys Asn Lys Ile Gln Lys
          170         175         180
Leu Val Gln Met Ala Trp Thr Phe Val Asn Asp Ser Leu Cys Thr
          185         190         195
Thr Leu Ser Leu Gln Trp Glu Pro Glu Ile Ile Ala Val Ala Val
          200         205         210
Met Tyr Leu Ala Gly Arg Leu Cys Lys Phe Glu Ile Gln Glu Trp
          215         220         225
Thr Ser Lys Pro Met Tyr Arg Arg Trp Trp Glu Gln Phe Val Gln
          230         235         240

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Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
245 250 255
Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
260 265 270
His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
275 280 285
Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
290 295 300
Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln Gln
305 310 315
Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
320 325 330
Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
335 340 345
Lys Ala Ala Glu Pro Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
350 355 360
Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
365 370 375
Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
380 385 390
Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
395 400 405
His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
410 415 420
Pro Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
425 430 435
Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
440 445 450
Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
455 460 465
Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
470 475 480
Asn Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Ala Ser Phe Pro
485 490 495
His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
500 505 510
Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
515 520 525
Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
530 535 540
Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
545 550 555
Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
560 565 570
Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
575 580

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<210> 42

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683225CD1

<400> 42

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Met Ala Glu Pro Asp Tyr Ile Glu Asp Asp Asn Pro Glu Leu Ile
1 5 10 15
Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
20 25 30
Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
35 40 45
Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

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	50		55		60
Lys Arg Asp Gln Val	Ile Lys Gln Lys	Glu Glu Ala Gln	Lys		
65		70			75
Lys Lys Ser Asp Leu	Glu Ile Glu Leu	Leu Lys Arg Gln	Gln Lys		
80		85			90
Leu Glu Gln Leu Glu	Leu Glu Lys Gln	Lys Leu Gln Glu	Glu Gln		
95		100			105
Glu Asn Ala Pro Glu	Phe Val Lys Val	Lys Gly Asn Leu	Arg Arg		
110		115			120
Thr Gly Gln Glu Val	Ala Gln Ala Gln	Glu Ser			
125		130			

<210> 43

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CD1

<400> 43

Met Gly Arg Lys Leu	Asp Pro Thr Lys	Glu Lys Arg Gly Pro	Gly		
1	5	10			15
Arg Lys Ala Arg Lys	Gln Lys Gly Ala	Glu Thr Glu Leu Val	Arg		
20		25			30
Phe Leu Pro Ala Val	Ser Asp Glu Asn	Ser Lys Arg Leu Ser	Ser		
35		40			45
Arg Ala Arg Lys Arg	Ala Ala Lys Arg	Arg Leu Gly Ser Val	Glu		
50		55			60
Ala Pro Lys Thr Asn	Lys Ser Pro Glu	Ala Lys Pro Leu Pro	Gly		
65		70			75
Lys Leu Pro Lys Gly	Ile Ser Ala Gly	Ala Val Gln Thr Ala	Gly		
80		85			90
Lys Lys Gly Pro Gln	Ser Leu Phe Asn	Ala Pro Arg Gly Lys	Lys		
95		100			105
Arg Pro Ala Pro Gly	Ser Asp Glu Glu	Glu Glu Glu Asp	Ser		
110		115			120
Glu Glu Asp Gly Met	Val Asn His Gly	Asp Leu Trp Gly Ser	Glu		
125		130			135
Asp Asp Ala Asp Thr	Val Asp Asp Tyr	Gly Ala Asp Ser Asn	Ser		
140		145			150
Glu Asp Glu Glu Glu	Gly Glu Ala Leu	Leu Pro Ile Glu Arg	Ala		
155		160			165
Ala Arg Lys Gln Lys	Ala Arg Glu Ala	Ala Ala Gly Ile Gln	Trp		
170		175			180
Ser Glu Glu Glu Thr	Glu Asp Glu Glu	Glu Glu Lys Glu Val	Thr		
185		190			195
Pro Glu Ser Gly Pro	Pro Lys Val Glu	Glu Ala Asp Gly Gly	Leu		
200		205			210
Gln Ile Asn Val Asp	Glu Glu Pro Phe	Val Leu Pro Pro Ala	Gly		
215		220			225
Glu Met Glu Gln Asp	Ala Gln Ala Pro	Asp Leu Gln Arg Val	His		
230		235			240
Lys Arg Ile Gln Asp	Ile Val Gly Ile	Leu Arg Asp Phe Gly	Ala		
245		250			255
Gln Arg Glu Glu Gly	Arg Ser Arg Ser	Tyr Leu Asn Arg	Leu		
260		265			270
Lys Lys Asp Leu Ala	Ile Tyr Tyr Ser	Tyr Gly Asp Phe Leu	Leu		
275		280			285
Gly Lys Leu Met Asp	Leu Phe Pro Leu	Ser Glu Leu Val Glu	Phe		
290		295			300
Leu Glu Ala Asn Glu	Val Pro Arg Pro	Val Thr Leu Arg Thr	Asn		
305		310			315

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Thr	Leu	Lys	Thr	Arg	Arg	Arg	Asp	Leu	Ala	Gln	Ala	Leu	Ile	Asn
				320					325					330
Arg	Gly	Val	Asn	Leu	Asp	Pro	Leu	Gly	Lys	Trp	Ser	Lys	Thr	Gly
				335					340					345
Leu	Val	Val	Tyr	Asp	Ser	Ser	Val	Pro	Ile	Gly	Ala	Thr	Pro	Glu
				350					355					360
Tyr	Leu	Ala	Gly	His	Tyr	Met	Leu	Gln	Gly	Ala	Ser	Ser	Met	Leu
				365					370					375
Pro	Val	Met	Ala	Leu	Ala	Pro	Gln	Glu	His	Glu	Arg	Ile	Leu	Asp
				380					385					390
Met	Cys	Cys	Ala	Pro	Gly	Gly	Lys	Thr	Ser	Tyr	Met	Ala	Gln	Leu
				395					400					405
Met	Lys	Asn	Thr	Gly	Val	Ile	Leu	Ala	Asn	Asp	Ala	Asn	Ala	Glu
				410					415					420
Arg	Leu	Lys	Ser	Val	Val	Gly	Asn	Leu	His	Arg	Leu	Gly	Val	Thr
				425					430					435
Asn	Thr	Ile	Ile	Ser	His	Tyr	Asp	Gly	Arg	Gln	Phe	Pro	Lys	Val
				440					445					450
Val	Gly	Gly	Phe	Asp	Arg	Val	Leu	Leu	Asp	Ala	Pro	Cys	Ser	Gly
				455					460					465
Thr	Gly	Val	Ile	Ser	Lys	Asp	Pro	Ala	Val	Lys	Thr	Asn	Lys	Asp
				470					475					480
Glu	Lys	Asp	Ile	Leu	Arg	Cys	Ala	His	Leu	Gln	Lys	Glu	Leu	Leu
				485					490					495
Leu	Ser	Ala	Ile	Asp	Ser	Val	Asn	Ala	Thr	Ser	Lys	Thr	Gly	Gly
				500					505					510
Tyr	Leu	Val	Tyr	Cys	Thr	Cys	Ser	Ile	Thr	Val	Glu	Glu	Asn	Glu
				515					520					525
Trp	Val	Val	Asp	Tyr	Ala	Leu	Lys	Lys	Arg	Asn	Val	Arg	Leu	Val
				530					535					540
Pro	Thr	Gly	Leu	Asp	Phe	Gly	Gln	Glu	Gly	Phe	Thr	Arg	Phe	Arg
				545					550					555
Glu	Arg	Arg	Phe	His	Pro	Ser	Leu	Arg	Ser	Thr	Arg	Arg	Phe	Tyr
				560					565					570
Pro	His	Thr	His	Asn	Met	Asp	Gly	Phe	Phe	Ile	Ala	Lys	Phe	Lys
				575					580					585
Lys	Phe	Ser	Asn	Ser	Ile	Pro	Gln	Ser	Gln	Thr	Gly	Asn	Ser	Glu
				590					595					600
Thr	Ala	Thr	Pro	Thr	Asn	Val	Asp	Leu	Pro	Gln	Val	Ile	Pro	Lys
				605					610					615
Ser	Glu	Asn	Ser	Ser	Gln	Pro	Ala	Lys	Lys	Ala	Lys	Gly	Ala	Ala
				620					625					630
Lys	Thr	Lys	Gln	Gln	Leu	Gln	Lys	Gln	Gln	His	Pro	Lys	Lys	Ala
				635					640					645
Ser	Phe	Gln	Lys	Leu	Asn	Gly	Ile	Ser	Lys	Gly	Ala	Asp	Ser	Glu
				650					655					660
Leu	Ser	Thr	Val	Pro	Ser	Val	Thr	Lys	Thr	Gln	Ala	Ser	Ser	Ser
				665					670					675
Phe	Gln	Asp	Ser	Ser	Gln	Pro	Ala	Gly	Lys	Ala	Glu	Gly	Ile	Arg
				680					685					690
Glu	Pro	Lys	Val	Thr	Gly	Lys	Leu	Lys	Gln	Arg	Ser	Pro	Lys	Leu
				695					700					705
Gln	Ser	Ser	Lys	Lys	Val	Ala	Phe	Leu	Arg	Gln	Asn	Ala	Pro	Pro
				710					715					720
Lys	Gly	Thr	Asp	Thr	Gln	Thr	Pro	Ala	Val	Leu	Ser	Pro	Ser	Lys
				725					730					735
Thr	Gln	Ala	Thr	Leu	Lys	Pro	Lys	Asp	His	His	Gln	Pro	Leu	Gly
				740					745					750
Arg	Ala	Lys	Gly	Val	Glu	Lys	Gln	Gln	Leu	Pro	Glu	Gln	Pro	Phe
				755					760					765
Glu	Lys	Ala	Ala	Phe	Gln	Lys	Gln	Asn	Asp	Thr	Pro	Lys	Gly	Pro
				770					775					780
Gln	Pro	Pro	Thr	Val	Ser	Pro	Ile	Arg	Ser	Ser	Arg	Pro	Pro	Pro

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	785		790		795
Ala Lys Arg Lys	Lys Ser Gln Ser Arg	Gly Asn Ser Gln Leu	Leu		
	800	805	810		
Leu Ser					

<210> 44
 <211> 537
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2959521CD1

<400> 44

Met Arg Gly Val	Gly Ala Arg Val Tyr	Ala Asp Ala Pro Ala	Lys
1	5	10	15
Leu Leu Leu Pro	Pro Pro Ala Ala Trp	Asp Leu Ala Val Arg	Leu
	20	25	30
Arg Gly Ala Glu	Ala Ala Ser Glu Arg	Gln Val Tyr Ser Val	Thr
	35	40	45
Met Lys Leu Leu	Leu Leu His Pro Ala	Phe Gln Ser Cys Leu	Leu
	50	55	60
Leu Thr Leu Leu	Gly Leu Trp Arg Thr	Thr Pro Glu Ala His	Ala
	65	70	75
Ser Ser Leu Gly	Ala Pro Ala Ile Ser	Ala Ala Ser Phe Leu	Gln
	80	85	90
Asp Leu Ile His	Arg Tyr Gly Glu Gly	Asp Ser Leu Thr Leu	Gln
	95	100	105
Gln Leu Lys Ala	Leu Leu Asn His Leu	Asp Val Gly Val Gly	Arg
	110	115	120
Gly Asn Val Thr	Gln His Val Gln Gly	His Arg Asn Leu Ser	Thr
	125	130	135
Cys Phe Ser Ser	Gly Asp Leu Phe Thr	Ala His Asn Phe Ser	Glu
	140	145	150
Gln Ser Arg Ile	Gly Ser Ser Glu Leu	Gln Glu Phe Cys Pro	Thr
	155	160	165
Ile Leu Gln Gln	Leu Asp Ser Arg Ala	Cys Thr Ser Glu Asn	Gln
	170	175	180
Glu Asn Glu Glu	Asn Glu Gln Thr Glu	Glu Gly Arg Pro Ser	Ala
	185	190	195
Val Glu Val Trp	Gly Tyr Gly Leu Leu	Cys Val Thr Val Ile	Ser
	200	205	210
Leu Cys Ser Leu	Leu Gly Ala Ser Val	Val Pro Phe Met Lys	Lys
	215	220	225
Thr Phe Tyr Lys	Arg Leu Leu Leu Tyr	Phe Ile Ala Leu Ala	Ile
	230	235	240
Gly Thr Leu Tyr	Ser Asn Ala Leu Phe	Gln Leu Ile Pro Glu	Ala
	245	250	255
Phe Gly Phe Asn	Pro Leu Glu Asp Tyr	Tyr Val Ser Lys Ser	Ala
	260	265	270
Val Val Phe Gly	Gly Phe Tyr Leu Phe	Phe Phe Thr Glu Lys	Ile
	275	280	285
Leu Lys Ile Leu	Leu Lys Gln Lys Asn	Glu His His His Gly	His
	290	295	300
Ser His Tyr Ala	Ser Glu Ser Leu Pro	Ser Lys Lys Asp Gln	Glu
	305	310	315
Glu Gly Val Met	Glu Lys Leu Gln Asn	Gly Asp Leu Asp His	Met
	320	325	330
Ile Pro Gln His	Cys Ser Ser Glu Leu	Asp Gly Lys Ala Pro	Met
	335	340	345
Val Asp Glu Lys	Val Ile Val Gly Ser	Leu Ser Val Gln Asp	Leu
	350	355	360

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Gln	Ala	Ser	Gln	Ser	Ala	Cys	Tyr	Trp	Leu	Lys	Gly	Val	Arg	Tyr	
				365					370					375	
Ser	Asp	Ile	Gly	Thr	Leu	Ala	Trp	Met	Ile	Thr	Leu	Ser	Asp	Gly	
				380					385					390	
Leu	His	Asn	Phe	Ile	Asp	Gly	Leu	Ala	Ile	Gly	Ala	Ser	Phe	Thr	
				395					400					405	
Val	Ser	Val	Phe	Gln	Gly	Ile	Ser	Thr	Ser	Val	Ala	Ile	Leu	Cys	
				410					415					420	
Glu	Glu	Phe	Pro	His	Glu	Leu	Gly	Asp	Phe	Val	Ile	Leu	Leu	Asn	
				425					430					435	
Ala	Gly	Met	Ser	Ile	Gln	Gln	Ala	Leu	Phe	Phe	Asn	Phe	Leu	Ser	
				440					445					450	
Ala	Cys	Cys	Cys	Tyr	Leu	Gly	Leu	Ala	Phe	Gly	Ile	Leu	Ala	Gly	
				455					460					465	
Ser	His	Phe	Ser	Ala	Asn	Trp	Ile	Phe	Ala	Leu	Ala	Gly	Gly	Met	
				470					475					480	
Phe	Leu	Tyr	Ile	Ser	Leu	Ala	Asp	Met	Phe	Pro	Glu	Met	Asn	Glu	
				485					490					495	
Val	Cys	Gln	Glu	Asp	Glu	Arg	Lys	Gly	Ser	Ile	Leu	Ile	Pro	Phe	
				500					505					510	
Ile	Ile	Gln	Asn	Leu	Gly	Leu	Leu	Thr	Gly	Phe	Thr	Ile	Met	Val	
				515					520					525	
Val	Leu	Thr	Met	Tyr	Ser	Gly	Gln	Ile	Gln	Ile	Gly				
				530					535						

<210> 45

<211> 584

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3082014CD1

<400> 45

Met	Leu	Trp	Gly	Gly	Arg	Val	Gly	Leu	Thr	Gly	Val	Phe	Gln	Ser	
1				5					10					15	
Leu	Ser	Tyr	Arg	Gly	Lys	Cys	Ser	Val	Thr	Leu	Leu	Asn	Glu	Thr	
				20					25					30	
Asp	Ile	Leu	Ser	Gln	Tyr	Leu	Glu	Lys	Glu	Asp	Cys	Phe	Phe	Tyr	
				35					40					45	
Ser	Leu	Val	Phe	Asp	Pro	Val	Gln	Lys	Thr	Leu	Leu	Ala	Asp	Gln	
				50					55					60	
Gly	Glu	Ile	Arg	Val	Gly	Cys	Lys	Tyr	Gln	Ala	Glu	Ile	Pro	Asp	
				65					70					75	
Arg	Leu	Val	Glu	Gly	Glu	Ser	Asp	Asn	Arg	Asn	Gln	Gln	Lys	Met	
				80					85					90	
Glu	Met	Lys	Val	Trp	Asp	Pro	Asp	Asn	Pro	Leu	Thr	Asp	Arg	Gln	
				95					100					105	
Ile	Asp	Gln	Phe	Leu	Val	Val	Ala	Arg	Ala	Val	Gly	Thr	Phe	Ala	
				110					115					120	
Arg	Ala	Leu	Asp	Cys	Ser	Ser	Ser	Ile	Arg	Gln	Pro	Ser	Leu	His	
				125					130					135	
Met	Ser	Ala	Ala	Ala	Ala	Ser	Arg	Asp	Ile	Thr	Leu	Phe	His	Ala	
				140					145					150	
Met	Asp	Thr	Leu	Gln	Arg	Asn	Gly	Tyr	Asp	Leu	Ala	Lys	Ala	Met	
				155					160					165	
Ser	Thr	Leu	Val	Pro	Gln	Gly	Gly	Pro	Val	Leu	Cys	Arg	Asp	Glu	
				170					175					180	
Met	Glu	Glu	Trp	Ser	Ala	Ser	Glu	Ala	Met	Leu	Phe	Glu	Glu	Ala	
				185					190					195	
Leu	Glu	Lys	Tyr	Gly	Lys	Asp	Phe	Asn	Asp	Ile	Arg	Gln	Asp	Phe	
				200					205					210	
Leu	Pro	Trp	Lys	Ser	Leu	Ala	Ser	Ile	Val	Gln	Phe	Tyr	Tyr	Met	

Met	Ala	Gly	Ala	Glu	Gly	Ala	Ala	Gly	Arg	Gln	Ser	Glu	Leu	Glu
1				5					10					15
Pro	Val	Val	Ser	Leu	Val	Asp	Val	Leu	Glu	Glu	Asp	Glu	Glu	Leu
				20					25					30

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<400> 47

Met	Tyr	Val	Arg	Val	Ser	Phe	Asp	Thr	Lys	Pro	Asp	Leu	Leu	Leu
1				5					10					15
His	Leu	Met	Thr	Lys	Glu	Trp	Gln	Leu	Glu	Leu	Pro	Lys	Leu	Leu
				20					25					30
Ile	Ser	Val	His	Gly	Gly	Leu	Gln	Asn	Phe	Glu	Leu	Gln	Pro	Lys
				35					40					45
Leu	Lys	Gln	Val	Phe	Gly	Lys	Gly	Leu	Ile	Lys	Ala	Ala	Met	Thr
				50					55					60
Thr	Gly	Ala	Trp	Ile	Phe	Thr	Gly	Gly	Val	Asn	Thr	Gly	Val	Ile
				65					70					75
Arg	His	Val	Gly	Asp	Ala	Leu	Lys	Asp	His	Ala	Ser	Lys	Ser	Arg
				80					85					90
Gly	Lys	Ile	Cys	Thr	Ile	Gly	Ile	Ala	Pro	Trp	Gly	Ile	Val	Glu
				95					100					105
Asn	Gln	Glu	Asp	Leu	Ile	Gly	Arg	Asp	Val	Val	Arg	Pro	Tyr	Gln
				110					115					120
Thr	Met	Ser	Asn	Pro	Met	Ser	Lys	Leu	Thr	Val	Leu	Asn	Ser	Met
				125					130					135
His	Ser	His	Phe	Ile	Leu	Ala	Asp	Asn	Gly	Thr	Thr	Gly	Lys	Tyr
				140					145					150
Gly	Ala	Glu	Val	Lys	Leu	Arg	Arg	Gln	Leu	Glu	Lys	His	Ile	Ser
				155					160					165
Leu	Gln	Lys	Ile	Asn	Thr	Arg	Cys	Leu	Pro	Phe	Phe	Ser	Leu	Asp
				170					175					180
Ser	Arg	Leu	Phe	Tyr	Ser	Phe	Trp	Gly	Ser	Cys	Gln	Leu	Asp	Ser
				185					190					195
Val	Gly	Ile	Gly	Gln	Gly	Val	Pro	Val	Val	Ala	Leu	Ile	Val	Glu
				200					205					210
Gly	Gly	Pro	Asn	Val	Ile	Ser	Ile	Val	Leu	Glu	Tyr	Leu	Arg	Asp
				215					220					225
Thr	Pro	Pro	Val	Pro	Val	Val	Val	Cys	Asp	Gly	Ser	Gly	Arg	Ala
				230					235					240
Ser	Asp	Ile	Leu	Ala	Phe	Gly	His	Lys	Tyr	Ser	Glu	Glu	Gly	Gly
				245					250					255

<210> 48

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4764233CD1

<400> 48

Met	Ser	Trp	Arg	Gly	Arg	Ser	Thr	Tyr	Arg	Pro	Arg	Pro	Arg	Arg
1				5					10					15
Ser	Leu	Gln	Pro	Pro	Glu	Leu	Ile	Gly	Ala	Met	Leu	Glu	Pro	Thr
				20					25					30
Asp	Glu	Glu	Pro	Lys	Glu	Glu	Lys	Pro	Pro	Thr	Lys	Ser	Arg	Asn
				35					40					45
Pro	Thr	Pro	Asp	Gln	Lys	Arg	Glu	Asp	Asp	Gln	Gly	Ala	Ala	Glu
				50					55					60
Ile	Gln	Val	Pro	Asp	Leu	Glu	Ala	Asp	Leu	Gln	Glu	Leu	Cys	Gln
				65					70					75
Thr	Lys	Thr	Gly	Asp	Gly	Cys	Glu	Gly	Gly	Thr	Asp	Val	Lys	Gly
				80					85					90
Lys	Ile	Leu	Pro	Lys	Ala	Glu	His	Phe	Lys	Met	Pro	Glu	Ala	Gly
				95					100					105
Glu	Gly	Lys	Ser	Gln	Val									
				110										

<210> 49

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<211> 422
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 4817352CD1

<400> 49

Met	Gly	Lys	Ala	Lys	Val	Pro	Ala	Ser	Lys	Arg	Ala	Pro	Ser	Ser	1	5	10	15
Pro	Val	Ala	Lys	Pro	Gly	Pro	Val	Lys	Thr	Leu	Thr	Arg	Lys	Lys	20	25	30	
Asn	Lys	Lys	Lys	Lys	Arg	Phe	Trp	Lys	Ser	Lys	Ala	Arg	Glu	Val	35	40	45	
Ser	Lys	Lys	Pro	Ala	Ser	Gly	Pro	Gly	Ala	Val	Val	Arg	Pro	Pro	50	55	60	
Lys	Ala	Pro	Glu	Asp	Phe	Ser	Gln	Asn	Trp	Lys	Ala	Leu	Gln	Glu	65	70	75	
Trp	Leu	Leu	Lys	Gln	Lys	Ser	Gln	Ala	Pro	Glu	Lys	Pro	Leu	Val	80	85	90	
Ile	Ser	Gln	Met	Gly	Ser	Lys	Lys	Lys	Pro	Lys	Ile	Ile	Gln	Gln	95	100	105	
Asn	Lys	Lys	Glu	Thr	Ser	Pro	Gln	Val	Lys	Gly	Glu	Glu	Met	Pro	110	115	120	
Ala	Gly	Lys	Asp	Gln	Glu	Ala	Ser	Arg	Gly	Ser	Val	Pro	Ser	Gly	125	130	135	
Ser	Lys	Met	Asp	Arg	Arg	Ala	Pro	Val	Pro	Arg	Thr	Lys	Ala	Ser	140	145	150	
Gly	Thr	Glu	His	Asn	Lys	Lys	Gly	Thr	Lys	Glu	Arg	Thr	Asn	Gly	155	160	165	
Asp	Ile	Val	Pro	Glu	Arg	Gly	Asp	Ile	Glu	His	Lys	Lys	Arg	Lys	170	175	180	
Ala	Lys	Glu	Ala	Ala	Pro	Ala	Pro	Pro	Thr	Glu	Glu	Asp	Ile	Trp	185	190	195	
Phe	Asp	Asp	Val	Asp	Pro	Ala	Asp	Ile	Glu	Ala	Ala	Ile	Gly	Pro	200	205	210	
Glu	Ala	Ala	Lys	Ile	Ala	Arg	Lys	Gln	Leu	Gly	Gln	Ser	Glu	Gly	215	220	225	
Ser	Val	Ser	Leu	Ser	Leu	Val	Lys	Glu	Gln	Ala	Phe	Gly	Gly	Leu	230	235	240	
Thr	Arg	Ala	Leu	Ala	Leu	Asp	Cys	Glu	Met	Val	Gly	Val	Gly	Pro	245	250	255	
Lys	Gly	Glu	Glu	Ser	Met	Ala	Ala	Arg	Val	Ser	Ile	Val	Asn	Gln	260	265	270	
Tyr	Gly	Lys	Cys	Val	Tyr	Asp	Lys	Tyr	Val	Lys	Pro	Thr	Glu	Pro	275	280	285	
Val	Thr	Asp	Tyr	Arg	Thr	Ala	Val	Ser	Gly	Ile	Arg	Pro	Glu	Asn	290	295	300	
Leu	Lys	Gln	Gly	Glu	Glu	Leu	Glu	Val	Val	Gln	Lys	Glu	Val	Ala	305	310	315	
Glu	Met	Leu	Lys	Gly	Arg	Ile	Leu	Val	Gly	His	Ala	Leu	His	Asn	320	325	330	
Asp	Leu	Lys	Val	Leu	Phe	Leu	Asp	His	Pro	Lys	Lys	Lys	Ile	Arg	335	340	345	
Asp	Thr	Gln	Lys	Tyr	Lys	Pro	Phe	Lys	Ser	Gln	Val	Lys	Ser	Gly	350	355	360	
Arg	Pro	Ser	Leu	Arg	Leu	Leu	Ser	Glu	Lys	Ile	Leu	Gly	Leu	Gln	365	370	375	
Val	Gln	Gln	Ala	Glu	His	Cys	Ser	Ile	Gln	Asp	Ala	Gln	Ala	Ala	380	385	390	
Met	Arg	Leu	Tyr	Val	Met	Val	Lys	Lys	Glu	Trp	Glu	Ser	Met	Ala	395	400	405	

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Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp
 410 415 420
 Asp Ala

<210> 50
 <211> 397
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5040573CD1

<400> 50
 Met Ala Met Ile Glu Leu Gly Phe Gly Arg Gln Asn Phe His Pro
 1 5 10 15
 Leu Lys Arg Lys Ser Ser Leu Leu Leu Lys Leu Ile Ala Val Val
 20 25 30
 Phe Ala Val Leu Leu Phe Cys Glu Phe Leu Ile Tyr Tyr Leu Ala
 35 40 45
 Ile Phe Gln Cys Asn Trp Pro Glu Val Lys Thr Thr Ala Ser Asp
 50 55 60
 Gly Glu Gln Thr Thr Arg Glu Pro Val Leu Lys Ala Met Phe Leu
 65 70 75
 Ala Asp Thr His Leu Leu Gly Glu Phe Leu Gly His Trp Leu Asp
 80 85 90
 Lys Leu Arg Arg Glu Trp Gln Met Glu Arg Ala Phe Gln Thr Ala
 95 100 105
 Leu Trp Leu Leu Gln Pro Glu Val Val Phe Ile Leu Gly Asp Ile
 110 115 120
 Phe Asp Glu Gly Lys Trp Ser Thr Pro Glu Ala Trp Ala Asp Asp
 125 130 135
 Val Glu Arg Phe Gln Lys Met Phe Arg His Pro Ser His Val Gln
 140 145 150
 Leu Lys Val Val Ala Gly Asn His Asp Ile Gly Phe His Tyr Glu
 155 160 165
 Met Asn Thr Tyr Lys Val Glu Arg Phe Glu Lys Val Phe Ser Ser
 170 175 180
 Glu Arg Leu Phe Ser Trp Lys Gly Ile Asn Phe Val Met Val Asn
 185 190 195
 Ser Val Ala Leu Asn Gly Asp Gly Cys Gly Ile Cys Ser Glu Thr
 200 205 210
 Glu Ala Glu Leu Ile Glu Val Ser His Arg Leu Asn Cys Ser Arg
 215 220 225
 Glu Gln Ala Arg Gly Ser Ser Arg Cys Gly Pro Gly Pro Leu Leu
 230 235 240
 Pro Thr Ser Ala Pro Val Leu Leu Gln His Tyr Pro Leu Tyr Arg
 245 250 255
 Arg Ser Asp Ala Asn Cys Ser Gly Glu Asp Ala Ala Pro Pro Glu
 260 265 270
 Glu Arg Asp Ile Pro Phe Lys Glu Asn Tyr Asp Val Leu Ser Arg
 275 280 285
 Glu Ala Ser Gln Lys Leu Leu Trp Trp Leu Gln Pro Arg Leu Val
 290 295 300
 Leu Ser Gly His Thr His Ser Ala Cys Glu Val His His Gly Gly
 305 310 315
 Arg Val Pro Glu Leu Ser Val Pro Ser Phe Ser Trp Arg Asn Arg
 320 325 330
 Asn Asn Pro Ser Phe Ile Met Gly Ser Ile Thr Pro Thr Asp Tyr
 335 340 345
 Thr Leu Ser Lys Cys Tyr Leu Pro Arg Glu Asp Val Val Leu Ile
 350 355 360
 Ile Tyr Cys Gly Val Val Gly Phe Leu Val Val Leu Thr Leu Thr

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	365		370		375
His Phe Gly Leu	Leu Ala Ser Pro Phe	Leu Ser Gly Leu Asn	Leu		
	380		385		390
Leu Gly Lys Arg	Lys Thr Arg				
	395				

<210> 51

<211> 800

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5627029CD1

<400> 51

Met Gly Ser Ser Lys	Lys His Arg Gly Glu	Lys Glu Ala Ala Gly	
1	5	10	15
Thr Thr Ala Ala Ala	Gly Thr Gly Gly Ala	Thr Glu Gln Pro Pro	
	20	25	30
Arg His Arg Glu His	Lys Lys His Lys His	Arg Ser Gly Gly Ser	
	35	40	45
Gly Gly Ser Gly Gly	Glu Arg Arg Lys Arg	Ser Arg Glu Arg Gly	
	50	55	60
Gly Glu Arg Gly Ser	Gly Arg Arg Gly Ala	Glu Ala Glu Ala Arg	
	65	70	75
Ser Ser Thr His Gly	Arg Glu Arg Ser Gln	Ala Glu Pro Ser Glu	
	80	85	90
Arg Arg Val Lys Arg	Glu Lys Arg Asp Asp	Gly Tyr Glu Ala Ala	
	95	100	105
Ala Ser Ser Lys Thr	Ser Ser Gly Asp Ala	Ser Ser Leu Ser Ile	
	110	115	120
Glu Glu Thr Asn Lys	Leu Arg Ala Lys Leu	Gly Leu Lys Pro Leu	
	125	130	135
Glu Val Asn Ala Ile	Lys Lys Glu Ala Gly	Thr Lys Glu Glu Pro	
	140	145	150
Val Thr Ala Asp Val	Ile Asn Pro Met Ala	Leu Arg Gln Arg Glu	
	155	160	165
Glu Leu Arg Glu Lys	Leu Ala Ala Ala Lys	Glu Lys Arg Leu Leu	
	170	175	180
Asn Gln Lys Leu Gly	Lys Ile Lys Thr Leu	Gly Glu Asp Asp Pro	
	185	190	195
Trp Leu Asp Asp Thr	Ala Ala Trp Ile Glu	Arg Ser Arg Gln Leu	
	200	205	210
Gln Lys Glu Lys Asp	Leu Ala Glu Lys Arg	Ala Lys Leu Leu Glu	
	215	220	225
Glu Met Asp Gln Glu	Phe Gly Val Ser Thr	Leu Val Glu Glu Glu	
	230	235	240
Phe Gly Gln Arg Arg	Gln Asp Leu Tyr Ser	Ala Arg Asp Leu Gln	
	245	250	255
Gly Leu Thr Val Glu	His Ala Ile Asp Ser	Phe Arg Glu Gly Glu	
	260	265	270
Thr Met Ile Leu Thr	Leu Lys Asp Lys Gly	Val Leu Gln Glu Glu	
	275	280	285
Glu Asp Val Leu Val	Asn Val Asn Leu Val	Asp Lys Glu Arg Ala	
	290	295	300
Glu Lys Asn Val Glu	Leu Arg Lys Lys Lys	Pro Asp Tyr Leu Pro	
	305	310	315
Tyr Ala Glu Asp Glu	Ser Val Asp Asp Leu	Ala Gln Gln Lys Pro	
	320	325	330
Arg Ser Ile Leu Ser	Lys Tyr Asp Glu Glu	Leu Glu Gly Glu Arg	
	335	340	345
Pro His Ser Phe Arg	Leu Glu Gln Gly Gly	Thr Ala Asp Gly Leu	
	350	355	360

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Arg	Glu	Arg	Glu	Leu	Glu	Glu	Ile	Arg	Ala	Lys	Leu	Arg	Leu	Gln
				365					370					375
Ala	Gln	Ser	Leu	Ser	Thr	Val	Gly	Pro	Arg	Leu	Ala	Ser	Glu	Tyr
				380					385					390
Leu	Thr	Pro	Glu	Glu	Met	Val	Thr	Phe	Lys	Lys	Thr	Lys	Arg	Arg
				395					400					405
Val	Lys	Lys	Ile	Arg	Lys	Lys	Glu	Lys	Glu	Val	Val	Val	Arg	Ala
				410					415					420
Asp	Asp	Leu	Leu	Pro	Leu	Gly	Asp	Gln	Thr	Gln	Asp	Gly	Asp	Phe
				425					430					435
Gly	Ser	Arg	Leu	Arg	Gly	Arg	Gly	Arg	Arg	Arg	Val	Ser	Glu	Val
				440					445					450
Glu	Glu	Glu	Lys	Glu	Pro	Val	Pro	Gln	Pro	Leu	Pro	Ser	Asp	Asp
				455					460					465
Thr	Arg	Val	Glu	Asn	Met	Asp	Ile	Ser	Asp	Glu	Glu	Glu	Gly	Gly
				470					475					480
Ala	Pro	Pro	Pro	Ala	Ser	Pro	Gln	Val	Leu	Glu	Glu	Asp	Glu	Ala
				485					490					495
Glu	Leu	Glu	Leu	Gln	Lys	Gln	Leu	Glu	Lys	Gly	Arg	Arg	Leu	Arg
				500					505					510
Gln	Leu	Gln	Gln	Leu	Gln	Gln	Leu	Arg	Asp	Ser	Gly	Glu	Lys	Val
				515					520					525
Val	Glu	Ile	Val	Lys	Lys	Leu	Glu	Ser	Arg	Gln	Arg	Gly	Trp	Glu
				530					535					540
Glu	Asp	Glu	Asp	Pro	Glu	Arg	Lys	Gly	Ala	Ile	Val	Phe	Asn	Ala
				545					550					555
Thr	Ser	Glu	Phe	Cys	Arg	Thr	Leu	Gly	Glu	Ile	Pro	Thr	Tyr	Gly
				560					565					570
Leu	Ala	Gly	Asn	Arg	Glu	Glu	Gln	Glu	Glu	Leu	Met	Asp	Phe	Glu
				575					580					585
Arg	Asp	Glu	Glu	Arg	Ser	Ala	Asn	Gly	Gly	Ser	Glu	Ser	Asp	Gly
				590					595					600
Glu	Glu	Asn	Ile	Gly	Trp	Ser	Thr	Val	Asn	Leu	Asp	Glu	Glu	Lys
				605					610					615
Gln	Gln	Gln	Asp	Phe	Ser	Ala	Ser	Ser	Thr	Thr	Ile	Leu	Asp	Glu
				620					625					630
Glu	Pro	Ile	Val	Asn	Arg	Gly	Leu	Ala	Ala	Ala	Leu	Leu	Leu	Cys
				635					640					645
Gln	Asn	Lys	Gly	Leu	Leu	Glu	Thr	Thr	Val	Gln	Lys	Val	Ala	Arg
				650					655					660
Val	Lys	Ala	Pro	Asn	Lys	Ser	Leu	Pro	Ser	Ala	Val	Tyr	Cys	Ile
				665					670					675
Glu	Asp	Lys	Met	Ala	Ile	Asp	Asp	Lys	Tyr	Ser	Arg	Arg	Glu	Glu
				680					685					690
Tyr	Arg	Gly	Phe	Thr	Gln	Asp	Phe	Lys	Glu	Lys	Asp	Gly	Tyr	Lys
				695					700					705
Pro	Asp	Val	Lys	Ile	Glu	Tyr	Val	Asp	Glu	Thr	Gly	Arg	Lys	Leu
				710					715					720
Thr	Pro	Lys	Glu	Ala	Phe	Arg	Gln	Leu	Ser	His	Arg	Phe	His	Gly
				725					730					735
Lys	Gly	Ser	Gly	Lys	Met	Lys	Thr	Glu	Arg	Arg	Met	Lys	Lys	Leu
				740					745					750
Asp	Glu	Glu	Ala	Leu	Leu	Lys	Lys	Met	Ser	Ser	Ser	Asp	Thr	Pro
				755					760					765
Leu	Gly	Thr	Val	Ala	Leu	Leu	Gln	Glu	Lys	Gln	Lys	Ala	Gln	Lys
				770					775					780
Thr	Pro	Tyr	Ile	Val	Leu	Ser	Gly	Ser	Gly	Lys	Ser	Met	Asn	Ala
				785					790					795
Asn	Thr	Ile	Thr	Lys										
				800										

<210> 52

<211> 713

<212> PRT

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5678487CD1

<400> 52

Met	Ala	Lys	Ser	Pro	Glu	Asn	Ser	Thr	Leu	Glu	Glu	Ile	Leu	Gly	1	5	10	15
Gln	Tyr	Gln	Arg	Ser	Leu	Arg	Glu	His	Ala	Ser	Arg	Ser	Ile	His	20	25	30	35
Gln	Leu	Thr	Cys	Ala	Leu	Lys	Glu	Gly	Asp	Val	Thr	Ile	Gly	Glu	40	45	50	55
Asp	Ala	Pro	Asn	Leu	Ser	Phe	Ser	Thr	Ser	Val	Gly	Asn	Glu	Asp	60	65	70	75
Ala	Arg	Thr	Ala	Trp	Pro	Glu	Leu	Gln	Gln	Ala	Asp	Lys	Glu	Ser	80	85	90	95
Gln	Leu	Lys	Asp	Leu	Leu	Arg	Gln	Gln	Ala	Asp	Lys	Glu	Ser	Glu	100	105	110	115
Val	Ser	Pro	Ser	Arg	Arg	Arg	Lys	Met	Ser	Pro	Leu	Arg	Ser	Leu	120	125	130	135
Glu	His	Glu	Glu	Thr	Asn	Met	Pro	Thr	Met	His	Asp	Leu	Val	His	140	145	150	155
Thr	Ile	Asn	Asp	Gln	Ser	Gln	Tyr	Ile	His	His	Leu	Glu	Ala	Glu	160	165	170	175
Val	Lys	Phe	Cys	Lys	Glu	Glu	Leu	Ser	Gly	Met	Lys	Asn	Lys	Ile	180	185	190	195
Gln	Val	Val	Val	Leu	Glu	Asn	Glu	Gly	Leu	Gln	Gln	Gln	Leu	Lys	200	205	210	215
Ser	Gln	Arg	Gln	Glu	Glu	Thr	Leu	Arg	Gln	Gln	Thr	Leu	Leu	Asp	220	225	230	235
Ala	Ser	Gly	Asn	Met	His	Asn	Ser	Trp	Ile	Thr	Thr	Gly	Glu	Asp	240	245	250	255
Ser	Gly	Val	Gly	Glu	Thr	Ser	Lys	Arg	Pro	Phe	Ser	His	Asp	Asn	260	265	270	275
Ala	Asp	Phe	Gly	Lys	Ala	Ala	Ser	Ala	Gly	Glu	Gln	Leu	Glu	Leu	280	285	290	295
Glu	Lys	Leu	Lys	Leu	Thr	Tyr	Glu	Glu	Lys	Cys	Glu	Ile	Glu	Glu	300	305	310	315
Ser	Gln	Leu	Lys	Phe	Leu	Arg	Asn	Asp	Leu	Ala	Glu	Tyr	Gln	Arg	320	325	330	335
Thr	Cys	Glu	Asp	Leu	Lys	Glu	Gln	Leu	Lys	His	Lys	Glu	Phe	Leu	340	345	350	355
Leu	Ala	Ala	Asn	Thr	Cys	Asn	Arg	Val	Gly	Gly	Leu	Cys	Leu	Lys	360	365	370	375
Cys	Ala	Gln	His	Glu	Ala	Val	Leu	Ser	Gln	Thr	His	Thr	Asn	Val	380	385	390	395
His	Met	Gln	Thr	Ile	Glu	Arg	Leu	Val	Lys	Glu	Arg	Asp	Asp	Leu	400	405	410	415
Met	Ser	Ala	Leu	Val	Ser	Val	Arg	Ser	Ser	Leu	Ala	Asp	Thr	Gln				
Gln	Arg	Glu	Ala	Ser	Ala	Tyr	Glu	Gln	Val	Lys	Gln	Val	Leu	Gln				
Ile	Ser	Glu	Glu	Ala	Asn	Phe	Glu	Lys	Thr	Lys	Ala	Leu	Ile	Gln				
Cys	Asp	Gln	Leu	Arg	Lys	Glu	Leu	Glu	Arg	Gln	Ala	Glu	Arg	Leu				
Glu	Lys	Asp	Leu	Ala	Ser	Gln	Gln	Glu	Lys	Arg	Ala	Ile	Glu	Lys				
Asp	Met	Met	Lys	Lys	Glu	Ile	Thr	Lys	Glu	Arg	Glu	Tyr	Met	Gly				
Ser	Lys	Met	Leu	Ile	Leu	Ser	Gln	Asn	Ile	Ala	Gln	Leu	Glu	Ala				

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Gln	Val	Glu	Lys	Val	Thr	Lys	Glu	Lys	Ile	Ser	Ala	Ile	Asn	Gln	
				425					430					435	
Leu	Glu	Glu	Ile	Gln	Ser	Gln	Leu	Ala	Ser	Arg	Glu	Met	Asp	Val	
				440					445					450	
Thr	Lys	Val	Cys	Gly	Glu	Met	Arg	Tyr	Gln	Leu	Asn	Lys	Thr	Asn	
				455					460					465	
Met	Glu	Lys	Asp	Glu	Ala	Glu	Lys	Glu	His	Arg	Glu	Phe	Arg	Ala	
				470					475					480	
Lys	Thr	Asn	Arg	Asp	Leu	Glu	Ile	Lys	Asp	Gln	Glu	Ile	Glu	Lys	
				485					490					495	
Leu	Arg	Ile	Glu	Leu	Asp	Glu	Ser	Lys	Gln	His	Leu	Glu	Gln	Glu	
				500					505					510	
Gln	Gln	Lys	Ala	Ala	Leu	Ala	Arg	Glu	Glu	Cys	Leu	Arg	Leu	Thr	
				515					520					525	
Glu	Leu	Leu	Gly	Glu	Ser	Glu	His	Gln	Leu	His	Leu	Thr	Arg	Gln	
				530					535					540	
Glu	Lys	Asp	Ser	Ile	Gln	Gln	Ser	Phe	Ser	Lys	Glu	Ala	Lys	Ala	
				545					550					555	
Gln	Ala	Leu	Gln	Ala	Gln	Gln	Arg	Glu	Gln	Glu	Leu	Thr	Gln	Lys	
				560					565					570	
Ile	Gln	Gln	Met	Glu	Ala	Gln	His	Asp	Lys	Thr	Glu	Asn	Glu	Gln	
				575					580					585	
Tyr	Leu	Leu	Leu	Thr	Ser	Gln	Asn	Thr	Phe	Leu	Thr	Lys	Leu	Lys	
				590					595					600	
Glu	Glu	Cys	Cys	Thr	Leu	Ala	Lys	Lys	Leu	Glu	Gln	Ile	Ser	Gln	
				605					610					615	
Lys	Thr	Arg	Ser	Glu	Ile	Ala	Gln	Leu	Ser	Gln	Glu	Lys	Arg	Tyr	
				620					625					630	
Thr	Tyr	Asp	Lys	Leu	Gly	Lys	Leu	Gln	Arg	Arg	Asn	Glu	Glu	Leu	
				635					640					645	
Glu	Glu	Gln	Cys	Val	Gln	His	Gly	Arg	Val	His	Glu	Thr	Met	Lys	
				650					655					660	
Gln	Arg	Leu	Arg	Gln	Leu	Asp	Lys	His	Ser	Gln	Ala	Thr	Ala	Gln	
				665					670					675	
Gln	Leu	Val	Gln	Leu	Leu	Ser	Lys	Gln	Asn	Gln	Leu	Leu	Leu	Glu	
				680					685					690	
Arg	Gln	Ser	Leu	Ser	Glu	Glu	Val	Asp	Arg	Leu	Arg	Thr	Gln	Leu	
				695					700					705	
Pro	Ser	Met	Pro	Gln	Ser	Asp	Cys								
				710											

<210> 53

<211> 880

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5682976CD1

<400> 53

Met	Ser	Arg	Gly	Gly	Ser	Cys	Pro	His	Leu	Leu	Trp	Asp	Val	Arg	
1				5					10					15	
Lys	Arg	Ser	Leu	Gly	Leu	Glu	Asp	Pro	Ser	Arg	Leu	Arg	Ser	Arg	
				20					25					30	
Tyr	Leu	Gly	Arg	Arg	Glu	Phe	Ile	Gln	Arg	Leu	Lys	Leu	Glu	Ala	
				35					40					45	
Thr	Leu	Asn	Val	His	Asp	Gly	Cys	Val	Asn	Thr	Ile	Cys	Trp	Asn	
				50					55					60	
Asp	Thr	Gly	Glu	Tyr	Ile	Leu	Ser	Gly	Ser	Asp	Asp	Thr	Lys	Leu	
				65					70					75	
Val	Ile	Ser	Asn	Pro	Tyr	Ser	Arg	Lys	Val	Leu	Thr	Thr	Ile	Arg	
				80					85					90	
Ser	Gly	His	Arg	Ala	Asn	Ile	Phe	Ser	Ala	Lys	Phe	Leu	Pro	Cys	

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	95		100		105
Thr Asn Asp Lys	Gln Ile Val Ser Cys	Ser Gly Asp Gly Val	Ile		
	110		115		120
Phe Tyr Thr Asn	Val Glu Gln Asp Ala	Glu Thr Asn Arg Gln	Cys		
	125		130		135
Gln Phe Thr Cys	His Tyr Gly Thr Thr	Tyr Glu Ile Met Thr	Val		
	140		145		150
Pro Asn Asp Pro	Tyr Thr Phe Leu Ser	Cys Gly Glu Asp Gly	Thr		
	155		160		165
Val Arg Trp Phe	Asp Thr Arg Ile Lys	Thr Ser Cys Thr Lys	Glu		
	170		175		180
Asp Cys Lys Asp	Asp Ile Leu Ile Asn	Cys Arg Arg Ala Ala	Thr		
	185		190		195
Ser Val Ala Ile	Cys Pro Pro Ile Pro	Tyr Tyr Leu Ala Val	Gly		
	200		205		210
Cys Ser Asp Ser	Ser Val Arg Ile Tyr	Asp Arg Arg Met Leu	Gly		
	215		220		225
Thr Arg Ala Thr	Gly Asn Tyr Ala Gly	Arg Gly Thr Thr Gly	Met		
	230		235		240
Val Ala Arg Phe	Ile Pro Ser His Leu	Asn Asn Lys Ser Cys	Arg		
	245		250		255
Val Thr Ser Leu	Cys Tyr Ser Glu Asp	Gly Gln Glu Ile Leu	Val		
	260		265		270
Ser Tyr Ser Ser	Asp Tyr Ile Tyr Leu	Phe Asp Pro Lys Asp	Asp		
	275		280		285
Thr Ala Arg Glu	Leu Lys Thr Pro Ser	Ala Glu Glu Arg Arg	Glu		
	290		295		300
Glu Leu Arg Gln	Pro Pro Val Lys Arg	Leu Arg Leu Arg Gly	Asp		
	305		310		315
Trp Ser Asp Thr	Gly Pro Arg Ala Arg	Pro Glu Ser Glu Arg	Glu		
	320		325		330
Arg Asp Gly Glu	Gln Ser Pro Asn Val	Ser Leu Met Gln Arg	Met		
	335		340		345
Ser Asp Met Leu	Ser Arg Trp Phe Glu	Glu Ala Ser Glu Val	Ala		
	350		355		360
Gln Ser Asn Arg	Gly Arg Gly Arg Ser	Arg Pro Arg Gly Gly	Thr		
	365		370		375
Ser Gln Ser Asp	Ile Ser Thr Leu Pro	Thr Val Pro Ser Ser	Pro		
	380		385		390
Asp Leu Glu Val	Ser Glu Thr Ala Met	Glu Val Asp Thr Pro	Ala		
	395		400		405
Glu Gln Phe Leu	Gln Pro Ser Thr Ser	Ser Thr Met Ser Ala	Gln		
	410		415		420
Ala His Ser Thr	Ser Ser Pro Thr Glu	Ser Pro His Ser Thr	Pro		
	425		430		435
Leu Leu Ser Ser	Pro Asp Ser Glu Gln	Arg Gln Ser Val Glu	Ala		
	440		445		450
Ser Gly His His	Thr His His Gln Ser	Asp Ser Pro Ser Ser	Val		
	455		460		465
Val Asn Lys Gln	Leu Gly Ser Met Ser	Leu Asp Glu Gln Gln	Asp		
	470		475		480
Asn Asn Asn Glu	Lys Leu Ser Pro Lys	Pro Gly Thr Gly Glu	Pro		
	485		490		495
Val Leu Ser Leu	His Tyr Ser Thr Glu	Gly Thr Thr Thr Ser	Thr		
	500		505		510
Ile Lys Leu Asn	Phe Thr Asp Glu Trp	Ser Ser Ile Ala Ser	Ser		
	515		520		525
Ser Arg Gly Ile	Gly Ser His Cys Lys	Ser Glu Gly Gln Glu	Glu		
	530		535		540
Ser Phe Val Pro	Gln Ser Ser Val Gln	Pro Pro Glu Gly Asp	Ser		
	545		550		555
Glu Thr Lys Ala	Pro Glu Glu Ser Ser	Glu Asp Val Thr Lys	Tyr		
	560		565		570

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Gln	Glu	Gly	Val	Ser	Ala	Glu	Asn	Pro	Val	Glu	Asn	His	Ile	Asn	
				575					580					585	
Ile	Thr	Gln	Ser	Asp	Lys	Phe	Thr	Ala	Lys	Pro	Leu	Asp	Ser	Asn	
				590					595					600	
Ser	Gly	Glu	Arg	Asn	Asp	Leu	Asn	Leu	Asp	Arg	Ser	Cys	Gly	Val	
				605					610					615	
Pro	Glu	Glu	Ser	Ala	Ser	Ser	Glu	Lys	Ala	Lys	Glu	Pro	Glu	Thr	
				620					625					630	
Ser	Asp	Gln	Thr	Ser	Thr	Glu	Ser	Ala	Thr	Asn	Glu	Asn	Asn	Thr	
				635					640					645	
Asn	Pro	Glu	Pro	Gln	Phe	Gln	Thr	Glu	Ala	Thr	Gly	Pro	Ser	Ala	
				650					655					660	
His	Glu	Glu	Thr	Ser	Thr	Arg	Asp	Ser	Ala	Leu	Gln	Asp	Thr	Asp	
				665					670					675	
Asp	Ser	Asp	Asp	Asp	Pro	Val	Leu	Ile	Pro	Gly	Ala	Arg	Tyr	Arg	
				680					685					690	
Ala	Gly	Pro	Gly	Asp	Arg	Arg	Ser	Ala	Val	Ala	Arg	Ile	Gln	Glu	
				695					700					705	
Phe	Phe	Arg	Arg	Arg	Lys	Glu	Arg	Lys	Glu	Met	Glu	Glu	Leu	Asp	
				710					715					720	
Thr	Leu	Asn	Ile	Arg	Arg	Pro	Leu	Val	Lys	Met	Val	Tyr	Lys	Gly	
				725					730					735	
His	Arg	Asn	Ser	Arg	Thr	Met	Ile	Lys	Glu	Ala	Asn	Phe	Trp	Gly	
				740					745					750	
Ala	Asn	Phe	Val	Met	Ser	Gly	Ser	Asp	Cys	Gly	His	Ile	Phe	Ile	
				755					760					765	
Trp	Asp	Arg	His	Thr	Ala	Glu	His	Leu	Met	Leu	Leu	Glu	Ala	Asp	
				770					775					780	
Asn	His	Val	Val	Asn	Cys	Leu	Gln	Pro	His	Pro	Phe	Asp	Pro	Ile	
				785					790					795	
Leu	Ala	Ser	Ser	Gly	Ile	Asp	Tyr	Asp	Ile	Lys	Ile	Trp	Ser	Pro	
				800					805					810	
Leu	Glu	Glu	Ser	Arg	Ile	Phe	Asn	Arg	Lys	Leu	Ala	Asp	Glu	Val	
				815					820					825	
Ile	Thr	Arg	Asn	Glu	Leu	Met	Leu	Glu	Glu	Thr	Arg	Asn	Thr	Ile	
				830					835					840	
Thr	Val	Pro	Ala	Ser	Phe	Met	Leu	Arg	Met	Leu	Ala	Ser	Leu	Asn	
				845					850					855	
His	Ile	Arg	Ala	Asp	Arg	Leu	Glu	Gly	Asp	Arg	Ser	Glu	Gly	Ser	
				860					865					870	
Gly	Gln	Glu	Asn	Glu	Asn	Glu	Asp	Glu	Glu						
				875					880						

<210> 54

<211> 855

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5992432CD1

<400> 54

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1				5					10					15	
Val	Phe	Glu	Glu	Glu	Asp	Leu	Pro	Tyr	Glu	Glu	Glu	Ile	Met	Arg	
				20					25					30	
Asn	Gln	Phe	Ser	Val	Lys	Cys	Trp	Leu	Arg	Tyr	Ile	Glu	Phe	Lys	
				35					40					45	
Gln	Gly	Ala	Pro	Lys	Pro	Arg	Leu	Asn	Gln	Leu	Tyr	Glu	Arg	Ala	
				50					55					60	
Leu	Lys	Leu	Leu	Pro	Cys	Ser	Tyr	Lys	Leu	Trp	Tyr	Arg	Tyr	Leu	
				65					70					75	
Lys	Ala	Arg	Arg	Ala	Gln	Val	Lys	His	Arg	Cys	Val	Thr	Asp	Pro	

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	80		85		90
Ala Tyr Glu Asp Val	Asn Asn Cys His	Glu Arg Ala Phe Val	Phe		
	95		100		105
Met His Lys Met Pro	Arg Leu Trp Leu	Asp Tyr Cys Gln Phe	Leu		
	110		115		120
Met Asp Gln Gly Arg	Val Thr His Thr	Arg Arg Thr Phe Asp	Arg		
	125		130		135
Ala Leu Arg Ala Leu	Pro Ile Thr Gln	His Ser Arg Ile Trp	Pro		
	140		145		150
Leu Tyr Leu Arg Phe	Leu Arg Ser His	Pro Leu Pro Glu Thr	Ala		
	155		160		165
Val Arg Gly Tyr Arg	Arg Phe Leu Lys	Leu Ser Pro Glu Ser	Ala		
	170		175		180
Glu Glu Tyr Ile Glu	Tyr Leu Lys Ser	Ser Asp Arg Leu Asp	Glu		
	185		190		195
Ala Ala Gln Arg Leu	Ala Thr Val Val	Asn Asp Glu Arg Phe	Val		
	200		205		210
Ser Lys Ala Gly Lys	Ser Asn Tyr Gln	Leu Trp His Glu Leu	Cys		
	215		220		225
Asp Leu Ile Ser Gln	Asn Pro Asp Lys	Val Gln Ser Leu Asn	Val		
	230		235		240
Asp Ala Ile Ile Arg	Gly Gly Leu Thr	Arg Phe Thr Asp Gln	Leu		
	245		250		255
Gly Lys Leu Trp Cys	Ser Leu Ala Asp	Tyr Tyr Ile Arg Ser	Gly		
	260		265		270
His Phe Glu Lys Ala	Arg Asp Val Tyr	Glu Glu Ala Ile Arg	Thr		
	275		280		285
Val Met Thr Val Arg	Asp Phe Thr Gln	Val Phe Asp Ser Tyr	Ala		
	290		295		300
Gln Phe Glu Glu Ser	Met Ile Ala Ala	Lys Met Glu Thr Ala	Ser		
	305		310		315
Glu Leu Gly Arg Glu	Glu Glu Asp Asp	Val Asp Leu Glu Leu	Arg		
	320		325		330
Leu Ala Arg Phe Glu	Gln Leu Ile Ser	Arg Arg Pro Leu Leu	Leu		
	335		340		345
Asn Ser Val Leu Leu	Arg Gln Asn Pro	His His Val His Glu	Trp		
	350		355		360
His Lys Arg Val Ala	Leu His Gln Gly	Arg Pro Arg Glu Ile	Ile		
	365		370		375
Asn Thr Tyr Thr Glu	Ala Val Gln Thr	Val Asp Pro Phe Lys	Ala		
	380		385		390
Thr Gly Lys Pro His	Thr Leu Trp Val	Ala Phe Ala Lys Phe	Tyr		
	395		400		405
Glu Asp Asn Gly Gln	Leu Asp Asp Ala	Arg Val Ile Leu Glu	Lys		
	410		415		420
Ala Thr Lys Val Asn	Phe Lys Gln Val	Asp Asp Leu Ala Ser	Val		
	425		430		435
Trp Cys Gln Cys Gly	Glu Leu Glu Leu	Arg His Glu Asn Tyr	Asp		
	440		445		450
Glu Ala Leu Arg Leu	Leu Arg Lys Ala	Thr Ala Leu Pro Ala	Arg		
	455		460		465
Arg Ala Glu Tyr Phe	Asp Gly Ser Glu	Pro Val Gln Asn Arg	Val		
	470		475		480
Tyr Lys Ser Leu Lys	Val Trp Ser Met	Leu Ala Asp Leu Glu	Glu		
	485		490		495
Ser Leu Gly Thr Phe	Gln Ser Thr Lys	Ala Val Tyr Asp Arg	Ile		
	500		505		510
Leu Asp Leu Arg Ile	Ala Thr Pro Gln	Ile Val Ile Asn Tyr	Ala		
	515		520		525
Met Phe Leu Glu Glu	His Lys Tyr Phe	Glu Glu Ser Phe Lys	Ala		
	530		535		540
Tyr Glu Arg Gly Ile	Ser Leu Phe Lys	Trp Pro Asn Val Ser	Asp		
	545		550		555

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Ile	Trp	Ser	Thr	Tyr	Leu	Thr	Lys	Phe	Ile	Ala	Arg	Tyr	Gly	Gly
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Arg	Lys	Leu	Glu	Arg	Ala	Arg	Asp	Leu	Phe	Glu	Gln	Ala	Leu	Asp
				575					580					585
Gly	Cys	Pro	Pro	Lys	Tyr	Ala	Lys	Thr	Leu	Tyr	Leu	Leu	Tyr	Ala
				590					595					600
Gln	Leu	Glu	Glu	Glu	Trp	Gly	Leu	Ala	Arg	His	Ala	Met	Ala	Val
				605					610					615
Tyr	Glu	Arg	Ala	Thr	Arg	Ala	Val	Glu	Pro	Ala	Gln	Gln	Tyr	Asp
				620					625					630
Met	Phe	Asn	Ile	Tyr	Ile	Lys	Arg	Ala	Ala	Glu	Ile	Tyr	Gly	Val
				635					640					645
Thr	His	Thr	Arg	Gly	Ile	Tyr	Gln	Lys	Ala	Ile	Glu	Val	Leu	Ser
				650					655					660
Asp	Glu	His	Ala	Arg	Glu	Met	Cys	Leu	Arg	Phe	Ala	Asp	Met	Glu
				665					670					675
Cys	Lys	Leu	Gly	Glu	Ile	Asp	Arg	Ala	Arg	Ala	Ile	Tyr	Ser	Phe
				680					685					690
Cys	Ser	Gln	Ile	Cys	Asp	Pro	Arg	Thr	Thr	Gly	Ala	Phe	Trp	Gln
				695					700					705
Thr	Trp	Lys	Asp	Phe	Glu	Val	Arg	His	Gly	Asn	Glu	Asp	Thr	Ile
				710					715					720
Lys	Glu	Met	Leu	Arg	Ile	Arg	Arg	Ser	Val	Gln	Ala	Thr	Tyr	Asn
				725					730					735
Thr	Gln	Val	Asn	Phe	Met	Ala	Ser	Gln	Met	Leu	Lys	Val	Ser	Gly
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Ser	Ala	Thr	Gly	Thr	Val	Ser	Asp	Leu	Ala	Pro	Gly	Gln	Ser	Gly
				755					760					765
Met	Asp	Asp	Met	Lys	Leu	Leu	Glu	Gln	Arg	Ala	Glu	Gln	Leu	Ala
				770					775					780
Ala	Glu	Ala	Glu	Arg	Asp	Gln	Pro	Leu	Arg	Ala	Gln	Ser	Lys	Ile
				785					790					795
Leu	Phe	Val	Arg	Ser	Asp	Ala	Ser	Arg	Glu	Glu	Leu	Ala	Glu	Leu
				800					805					810
Ala	Gln	Gln	Val	Asn	Pro	Glu	Glu	Ile	Gln	Leu	Gly	Glu	Asp	Glu
				815					820					825
Asp	Glu	Asp	Glu	Met	Asp	Leu	Glu	Pro	Asn	Glu	Val	Arg	Leu	Glu
				830					835					840
Gln	Gln	Ser	Val	Pro	Ala	Ala	Val	Phe	Gly	Ser	Leu	Lys	Glu	Asp
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<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116462CB1

<400> 55

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ggcttccttt	tccgggtctc	gaggctgctg	aaaccgaaac	cgctgtgctg	tgggcgcagc	240
gccgagattg	attcaccttc	acctgtgctg	cactccagct	gacccaagta	ggaagccaga	300
cgagctgtaa	aacatgaacg	gaagagtgga	ttatttggtc	actgagggaag	agatcaatct	360
taccagaggg	ccctcagggc	tgggcttcaa	catcgctcgt	gggacagatc	agcagtatgt	420
ctccaacgac	agtggcatct	acgtcagccg	catcaaagaa	aatggggctg	cggccctgga	480
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gctgcaccag	gatgctgtag	acctctttcg	taatgcaggc	tatgctgtgt	ctctgagagt	600
gcagcacagg	ttacaggtgc	agaatggacc	tataggacat	cgagggtgaag	gggacccaag	660
tggtattccc	atatttatgg	tgctggtgcc	agtgtttgcc	ctcaccatgg	tagcagcctg	720

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catagccaga tttgaagtga ctgataccca ccccaaactt tgctgttcac agtctccaat 900
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<210> 56

<211> 1432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CB1

<400> 56

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ctgaccagc tgaaagcaaa atcagagggg aagcttgcaa aacagatttg caaagttgtg 180
ttgatcatt ttgaaaaaca gtattccaaa gaactcggag atgcctggaa tacagtaagg 240
gagatactaa catctccatc atgtggcaa tatgtgtcc tgcttaaccg attcaattat 300
ccttttgaac tggaaaagga tttacatttg aagggctatc acacactctc tcagggatct 360
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cctttgataa atgtaattaa agtgtctgaa ttggatggca gaaaaatggg agatgcacag 720
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<210> 57

<211> 2317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CB1

<400> 57

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agaagactat ctggaaatga ttgagcagct tcctatggat ctgcgggacc gcttcacgga 180
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<210> 58

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1416289CB1

<400> 58

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aaagaactca gtataaatgt catgaaacag ctcatgtggt catctaactt atttgtgatg 240
caagtggaga tggatatata cactgctcta aaaaagtggg tgttccttca acttgtgcct 300
tcttggaatg gatctttaa acagcttttg acagaaacag atgtctgggt ttctaaacag 360
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<210> 59

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CB1

<400> 59

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<210> 60

<211> 1331

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1577739CB1

<400> 60

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gctggtgaag gccgagatgg aaaagttttt gcagaacaag gagctcttca gcagtctgaa 180
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<210> 61

<211> 3227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1752768CB1

<400> 61

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<210> 62

<211> 1865

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1887228CB1

<400> 62

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<210> 63

<211> 1924

<212> DNA

<213> Homo sapiens

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<400> 63

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<211> 948

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2686765CB1

<400> 65

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA
<213> Homo sapiens

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<220>
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<210> 69
<211> 937
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 5218248CB1

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<400> 69
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gagaaacacc tgttcaacct gaagtctcgc gccaaagaac tgagttaggag tgccaaaaaa 180
tgcgataagg aggaaaaggc cgaaaaggcc aaaattaaaa aggccattca gaagggcaac 240
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accatgaatc tggagaagat ttctgctttg atggacaaat tcgagcacca gtttgagact 480
ctggacgtcc agacgcagca aatggaagac acgatgagca gcacgacgac gctcaccact 540
ccccagaacc aagtggatat gctgctccag gaaatggcag atgaggcggg cctcgacctc 600
aacatggagc tgccgcaggc ccagaccggc tccgtgggca cgagcgtggc ttcggcgagg 660
caggatgaac tgtctcagag actggccccg cttcgggatc aagtgtgacg gcagaacccg 720
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tataccctag aaactctgaa cagccagaa tgctgaaatg cccttctacc tttgggttta 840
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<210> 70
<211> 823
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 058336CB1

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<400> 70

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tcccgggtgcg agaagaagac cccggcttga gagtgagatg gcgtttaatg attgcttcag 180
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cattcctgcg tcctttacaa gcgccaagtc tgtattcagc agtaaggccc tggtgaaaat 360
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ttaacaattt accaaagaga tattgatatt gaagggaattt gggaggagga aaagaaacct 720
ggggtgaata cttattttca gtgcattcatt actgttccag attcctatga tggatggcag 780
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<210> 71

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1511488CB1

<400> 71

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acaagcgggc agcatgctca gggcggtcgg gagcctactg cgccttggcc gcgggctaac 180
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tcacggggag attcacggag tccccacgca gcgcaggcct tcgcagttcg acaagaaaat 360
cctgctgtgg acagggcggt tcaaatcgat ggaggagatc ccgcctcgga tcccgccaga 420
aatgatagac accgcaagaa acaaagctcg agtgaaaagt tgttacataa tgattggact 480
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cacagcctca ttctgcctt ttctcagcca ttacctccca aacatagcag tttttctgag 960
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taaaaaaaaa aaa 1033

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<210> 72

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638819CB1

<400> 72

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acaggcgctg agcacctgtg gctgaccgca catctcaggg acccatttgt gaaggctgcg 180
aagggtggaga gttaccgggt tcgaagcgcc ttcaagctcc tggaggtgaa cgagaggcac 240
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cagggtggcg tgcagaaggt caacgcccga ggcacagatc ccagctctcc tgttggttc 360
gtgcttgggg tagatcttct tcacatattc cccctggaag gagcaacttt tctgtgcct 420
gctgacgtga ctgaccgag aacctcacag agaatcctcg aggtgcttcc tggcaggaga 480
gcagatgtga ttctgagcga catggcgccc aatgccacag ggttcgggga cctcgatcat 540

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gacaggetca tcagcctgtg cctgaccctt ctcagcgtga ccccagacat cctgcaacct 600
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tcagaagtgt acttcttggc cacacagtac cacggaagga agggcactgt gaagcagtga 780
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<210> 73

<211> 2449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1655123CB1

<400> 73

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ggaggttgtg gcggtggctg gagaaagcgg cggcggaagga tggaggaagg aggcggcggc 180
gtacggagtc tgggtccggg cgggcccggg ttactggtcc tctgcccct cctggaggcg 240
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cccggcaccg agttctctct gcccacact ggagttttat ataaagaaga taattatgtc 360
atcatgacaa ctgcacataa agaaaaatat aaatgcatac ttccccttgt gacaagtggg 420
gatgaggaag aagaaaagga ttataaaggc cctaattcaa gagagctttt ggagccacta 480
tttaaacaaa gcagttgttc ctacagaatt gagtcttatt ggacttacga agtatgtcat 540
ggaaaacaca ttcggcagta ccatgaagag aaagaaactg gtcagaaaat aaatattcac 600
gagtactacc ttgggaatat gttggccaag aaccttctat ttgaaaaaga acgaaagca 660
gaagaaaagg aaaaatcaaa tgagattccc actaaaaata tcgaagggtc gatgacacca 720
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tgctctctgc aagtagttaa actagaaact gggcacatgg tagaggctca catgggagtt 2160
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tgtctatccc ttgtacttgc ctactgtaat atggatttca cttctgaaca gtttacagca 2400
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<210> 74

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2553926CB1

<400> 74

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aacctgtagg cctgcaggag gaggcagaac tgccagccaa gatcctgggt gagtttcttg 180
tggaactctca gaagaaagac aagctgctct gcagccagct tcaggtagcg gatttctctg 240
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<210> 75

<211> 2489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2800717CB1

<400> 75

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tccctgatc agcgtaccag ttgttgctct tctgaacctc tgccagtcct ggagactggg 180
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<210> 76

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CB1

<400> 76

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cgttttgatg ttacctattt cttgtgggtc tcctattacc agcttctaaa tgaatgttgt 780
ttttgaccca gtttgaagt ttctgtcagc aggagagttt tacctattgc atggaaagat 840

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<210> 77

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 017900CB1

<400> 77

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cgcagcgcgc gctggaggaa cccgattccc tttcccgaga cgtttgacgg cgataccgac 180
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<210> 78

<211> 1634

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 035102CB1

<400> 78

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<210> 79

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CB1

<400> 79

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<211> 2223

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 926810CB1

<400> 80

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<210> 81

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CB1

<400> 81

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<210> 82

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<211> 1541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1496820CB1

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 <211> 1372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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<210> 84

<211> 868

<212> DNA

<213> Homo sapiens

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<400> 84

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1678765CB1

<400> 85

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<211> 1707

<212> DNA

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<223> Incyte ID No: 1708229CB1

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<211> 1752

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<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1806454CB1

<400> 87

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<400> 88

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1851534CB1

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<210> 90

<211> 2555

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1868749CB1

<400> 90

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2555

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<212> DNA

<213> Homo sapiens

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<210> 92

<211> 4037

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2259032CB1

<400> 92

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<211> 2031

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2359526CB1

<400> 93

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<211> 2070

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<213> Homo sapiens

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<222> 2058, 2067

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<400> 95

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2683225CB1

<400> 96

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<223> Incyte ID No: 2797839CB1

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2959521CB1

<400> 98

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<211> 1889

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<213> Homo sapiens

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<223> a, t, c, g, or other

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PCT/US00/19948

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WO 01/07471

PCT/US00/19948

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